

Petroleum Supply Monthly

August 2023



This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies.

Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
- Net imports
- Stocks
- Movements of crude oil, petroleum products, and biofuels

Contents

Page

Tables

U.S. supply and disposition of crude oil, petroleum products, and biofuels

1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products	6
2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products.....	7
3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products.....	8
4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products.....	9

Regional supply and disposition of crude oil petroleum products and biofuels

5. PAD District 1	10
6. Year-to-Date PAD District 1	11
7. Daily Average PAD District 1	12
8. Year-to-Date Daily Average PAD District 1	13
9. PAD District 2	14
10. Year-to-Date PAD District 2	15
11. Daily Average PAD District 2	16
12. Year-to-Date Daily Average PAD District 2	17
13. PAD District 3	18
14. Year-to-Date PAD District 3	19
15. Daily Average PAD District 3	20
16. Year-to-Date Daily Average PAD District 3	21
17. PAD District 4	22
18. Year-to-Date PAD District 4	23
19. Daily Average PAD District 4	24
20. Year-to-Date Daily Average PAD District 4	25
21. PAD District 5	26
22. Year-to-Date PAD District 5	27
23. Daily Average PAD District 5	28
24. Year-to-Date Daily Average PAD District 5	29

Crude oil supply and disposition and production by state

25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District	30
26. Production of Crude Oil by PAD District and State	31

Natural Gas Processing

27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts	32
---	----

Refinery Operations

28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts	33
29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts	35
30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts	37
31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts	39
32. Blender Net Inputs of Petroleum Products by PAD District	41
33. Blender Net Production of Petroleum Products by PAD District	42
34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts	43
35. Percent Yield of Petroleum Products by PAD and Refining Districts	45

Imports of residual fuel oil by state of entry

36. Imports of Residual Fuel Oil by Sulfur Content	46
--	----

Imports by PAD District

37. Imports of Crude Oil and Petroleum Products	47
38. Year-to-Date Imports of Crude Oil and Petroleum Products	48

Imports by country of origin

39. United States	49
40. Year-to-Date United States	53
41. PAD District 1	57
42. PAD District 2	61
43. PAD District 3	65
44. PAD Districts 4 and 5	69
45. Year-to-Date PAD District 1	73
46. Year-to-Date PAD District 2	77
47. Year-to-Date PAD District 3	81

48. Year-to-Date PAD Districts 4 and 5	85
Exports of Crude Oil and Petroleum Products	
49. Exports of Crude Oil and Petroleum Products by PAD District	89
50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District	90
51. Exports of Crude Oil and Petroleum Products by Destination.....	91
52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination	95
Net Imports	
53. Net Imports of Crude Oil and Petroleum Products into the United States by Country	99
54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country	103
Stocks	
55. Stocks of Crude Oil and Petroleum Products by PAD District	107
56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State	110
Movements of Crude Oil, Petroleum Products, and Biofuels	
57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts	112
58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts.....	114
59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts.....	116
60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts	118
61. Movements of Crude Oil by Pipeline, Tanker, Barge, and Rail between PAD Districts	119
62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail Between PAD Districts.....	120
Appendices	
A. District Descriptions and Maps	122
B. Explanatory Notes	124
D. Northeast Reserves	141

Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	385,314	19,028	--	--	194,814	-5,995	-13,294	491,836	114,618	0	801,892
Hydrocarbon Gas Liquids	195,800	-13,039	-727	25,368	3,901	--	18,333	15,033	75,837	102,100	225,354
Natural Gas Liquids	195,800	-13,039	-727	17,810	3,371	--	18,232	15,033	75,837	94,113	223,543
Ethane	78,377	--	--	134	--	--	-2,710	--	15,403	65,818	51,534
Propane	61,609	-22	--	8,506	2,120	--	8,098	--	45,031	19,084	79,145
Normal Butane	19,079	-398	--	9,637	1,028	--	11,250	1,897	13,383	2,816	55,795
Isobutane	13,688	-157	--	-467	218	--	-210	7,029	67	6,396	13,673
Natural Gasoline	23,047	-12,462	-727	--	5	--	1,804	6,107	1,952	0	23,396
Refinery Olefins	--	--	--	7,558	530	--	101	--	--	7,987	1,811
Ethylene	--	--	--	13	--	--	0	--	--	13	0
Propylene	--	--	--	7,557	452	--	-9	--	--	8,018	1,138
Normal Butylene	--	--	--	-12	78	--	110	--	--	-44	673
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-5,989	40,880	--	45,855	7,293	-2,537	66,633	14,964	8,979	322,727
Hydrogen/Biofuels/Other Hydrocarbons	--	--	40,880	--	1,702	5,272	-1,399	36,757	3,513	8,982	30,079
Hydrogen	--	--	--	--	--	6,777	--	6,777	--	0	--
Biofuels (including Fuel Ethanol)	--	--	40,880	--	1,702	-1,525	-1,398	29,959	3,513	8,982	30,067
Fuel Ethanol ⁵	--	--	31,146	--	--	-1,525	-812	27,758	2,675	0	22,299
Biofuels (excluding Fuel Ethanol)	--	--	9,734	--	1,702	--	-586	2,201	839	8,982	7,769
Biodiesel	--	--	3,636	--	1,016	--	-435	1,467	839	2,782	3,978
Renewable Diesel Fuel	--	--	5,482	--	681	--	-217	567	NA	5,812	3,421
Other Biofuels ⁶	--	--	616	--	5	--	66	167	NA	388	370
Other Hydrocarbons	--	--	--	--	--	20	-1	21	--	0	12
Unfinished Oils	--	-5,989	--	--	19,860	--	-1,618	6,175	9,314	0	87,035
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	0	--	24,293	2,022	493	23,685	2,137	0	205,588
Reformulated	--	--	0	--	4,230	5,584	2,066	7,727	21	0	50,089
Conventional	--	--	0	--	20,063	-3,562	-1,573	15,958	2,116	0	155,499
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-13	16	--	-3	25
Finished Petroleum Products	--	--	210	580,272	20,520	-496	-5,305	--	95,416	510,394	261,587
Finished Motor Gasoline	--	--	208	298,318	4,201	-496	556	--	23,309	278,365	17,574
Reformulated	--	--	--	91,506	--	-3,266	2	--	--	88,238	24
Conventional	--	--	208	206,812	4,201	2,770	554	--	23,309	190,128	17,550
Finished Aviation Gasoline	--	--	--	348	7	--	-64	--	--	419	961
Kerosene-Type Jet Fuel	--	--	9	53,393	4,324	--	251	--	5,430	52,046	42,745
Kerosene	--	--	--	301	--	--	93	--	55	153	1,304
Distillate Fuel Oil ⁵	--	--	-7	149,890	4,141	--	-542	--	35,817	118,749	112,598
15 ppm sulfur and under	--	--	-7	145,650	4,131	--	150	--	31,808	117,817	102,912
Greater than 15 to 500 ppm sulfur	--	--	0	2,510	8	--	-493	--	2,101	910	2,487
Greater than 500 ppm sulfur	--	--	--	1,730	2	--	-198	--	1,908	22	7,199
Residual Fuel Oil	--	--	--	6,896	3,104	--	-2,370	--	4,535	7,835	30,418
Less than 0.31 percent sulfur	--	--	--	584	305	--	-314	--	NA	NA	3,175
0.31 to 1.00 percent sulfur	--	--	--	2,435	774	--	-435	--	NA	NA	7,583
Greater than 1.00 percent sulfur	--	--	--	3,877	2,025	--	-1,621	--	NA	NA	19,660
Petrochemical Feedstocks	--	--	--	6,552	549	--	193	--	1,568	5,340	2,702
Naphtha for Petro. Feed. Use	--	--	--	3,402	361	--	21	--	--	3,742	1,916
Other Oils for Petro. Feed. Use	--	--	--	3,150	188	--	172	--	1,568	1,598	786
Special Naphthas	--	--	--	574	608	--	-176	--	--	1,358	992
Lubricants	--	--	--	4,194	1,350	--	-562	--	3,242	2,864	11,925
Waxes	--	--	--	184	104	--	7	--	129	152	705
Petroleum Coke	--	--	--	25,096	619	--	-499	--	20,708	5,506	6,488
Marketable	--	--	--	19,241	619	--	-499	--	20,708	-349	6,488
Catalyst	--	--	--	5,855	--	--	--	--	--	5,855	--
Asphalt and Road Oil	--	--	--	10,891	1,513	--	-2,288	--	542	14,150	32,110
Still Gas	--	--	--	20,938	--	--	--	--	--	20,938	--
Miscellaneous Products	--	--	--	2,697	--	--	96	--	80	2,521	1,065
Total	581,114	0	40,363	605,640	265,090	802	-2,803	573,502	300,836	621,474	1,611,561

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	2,292,952	81,479	--	--	1,155,639	34,099	301	2,841,619	722,249	0	801,892
Hydrocarbon Gas Liquids	1,125,473	-69,745	-4,218	117,646	31,800	--	14,270	104,128	470,868	611,690	225,354
Natural Gas Liquids	1,125,473	-69,745	-4,218	72,850	28,473	--	14,332	104,128	470,868	563,505	223,543
Ethane	464,887	--	--	904	--	--	-2,012	--	89,292	378,511	51,534
Propane	351,741	-147	--	50,422	20,790	--	2,591	--	276,029	144,186	79,145
Normal Butane	103,323	-2,776	--	23,666	6,213	--	14,045	28,967	83,358	4,056	55,795
Isobutane	81,515	-1,091	--	-2,142	1,446	--	1,465	40,789	722	36,752	13,673
Natural Gasoline	124,007	-65,731	-4,218	--	24	--	-1,757	34,372	21,467	0	23,396
Refinery Olefins	--	--	--	44,796	3,327	--	-62	--	--	48,185	1,811
Ethylene	--	--	--	40	--	--	0	--	--	40	0
Propylene	--	--	--	44,554	2,692	--	-200	--	--	47,446	1,138
Normal Butylene	--	--	--	178	635	--	154	--	--	659	673
Isobutylene	--	--	--	24	--	--	-16	--	--	40	0
Other Liquids	--	-11,734	232,749	--	225,456	37,758	-2,071	355,830	85,158	45,313	322,727
Hydrogen/Biofuels/Other Hydrocarbons	--	--	232,754	--	9,881	32,290	-1,644	211,243	19,955	45,371	30,079
Hydrogen	--	--	--	--	--	37,879	--	37,879	--	0	--
Biofuels (including Fuel Ethanol)	--	--	232,754	--	9,866	-5,651	-1,646	173,289	19,955	45,371	30,067
Fuel Ethanol ⁵	--	--	181,431	--	--	-5,651	-2,127	161,076	16,831	0	22,299
Biofuels (excluding Fuel Ethanol)	--	--	51,323	--	9,866	--	481	12,213	3,124	45,371	7,769
Biodiesel	--	--	19,929	--	5,646	--	379	8,501	3,124	13,571	3,978
Renewable Diesel Fuel	--	--	28,133	--	4,215	--	15	2,536	NA	29,797	3,421
Other Biofuels ⁶	--	--	3,261	--	5	--	87	1,176	NA	2,002	370
Other Hydrocarbons	--	--	--	--	15	62	2	75	--	0	12
Unfinished Oils	--	-11,734	--	--	102,532	--	890	36,371	53,537	0	87,035
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	-5	--	113,043	5,468	-1,309	108,150	11,665	0	205,588
Reformulated	--	--	-1	--	26,773	53,476	4,578	75,423	247	0	50,089
Conventional	--	--	-4	--	86,270	-48,008	-5,887	32,727	11,418	0	155,499
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-8	66	--	-58	25
Finished Petroleum Products	--	--	1,173	3,362,716	136,180	183	5,396	--	527,579	2,967,276	261,587
Finished Motor Gasoline	--	--	1,156	1,729,815	23,307	183	162	--	143,819	1,610,479	17,574
Reformulated	--	--	--	536,584	--	-43,481	4	--	--	493,099	24
Conventional	--	--	1,156	1,193,231	23,307	43,664	158	--	143,819	1,117,380	17,550
Finished Aviation Gasoline	--	--	--	1,594	55	--	-345	--	--	1,994	961
Kerosene-Type Jet Fuel	--	--	36	303,055	26,532	--	7,706	--	30,396	291,521	42,745
Kerosene	--	--	0	2,022	524	--	-824	--	660	2,710	1,304
Distillate Fuel Oil ⁵	--	--	-19	869,081	35,731	--	-6,211	--	192,768	718,237	112,598
15 ppm sulfur and under	--	--	-18	831,600	35,506	--	-5,741	--	164,450	708,378	102,912
Greater than 15 to 500 ppm sulfur	--	--	0	20,383	39	--	-12	--	17,301	3,133	2,487
Greater than 500 ppm sulfur	--	--	0	17,098	186	--	-458	--	11,016	6,726	7,199
Residual Fuel Oil	--	--	--	48,520	22,721	--	-321	--	25,021	46,541	30,418
Less than 0.31 percent sulfur	--	--	--	7,171	1,932	--	395	--	NA	NA	3,175
0.31 to 1.00 percent sulfur	--	--	--	15,715	5,600	--	1,412	--	NA	NA	7,583
Greater than 1.00 percent sulfur	--	--	--	25,634	15,189	--	-2,128	--	NA	NA	19,660
Petrochemical Feedstocks	--	--	--	40,709	3,658	--	314	--	6,086	37,967	2,702
Naphtha for Petro. Feed. Use	--	--	--	22,928	2,507	--	133	--	--	25,302	1,916
Other Oils for Petro. Feed. Use	--	--	--	17,781	1,151	--	181	--	6,086	12,665	786
Special Naphthas	--	--	--	4,944	3,046	--	15	--	--	7,975	992
Lubricants	--	--	--	26,712	8,470	--	-1,422	--	19,669	16,935	11,925
Waxes	--	--	--	892	697	--	104	--	759	726	705
Petroleum Coke	--	--	--	143,602	1,835	--	-386	--	104,581	41,242	6,488
Marketable	--	--	--	109,974	1,835	--	-386	--	104,581	7,614	6,488
Catalyst	--	--	--	33,628	--	--	--	--	--	33,628	--
Asphalt and Road Oil	--	--	--	58,593	9,604	--	6,434	--	3,320	58,443	32,110
Still Gas	--	--	--	117,506	--	--	--	--	--	117,506	--
Miscellaneous Products	--	--	--	15,671	--	--	170	--	499	15,002	1,065
Total	3,418,425	0	229,703	3,480,362	1,549,075	72,040	17,896	3,301,577	1,805,854	3,624,279	1,611,561

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

1 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

2 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

3 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

4 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

5 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

6 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	12,844	634	--	--	6,494	-200	-443	16,395	3,821	0
Hydrocarbon Gas Liquids	6,527	-435	-24	846	130	--	611	501	2,528	3,403
Natural Gas Liquids	6,527	-435	-24	594	112	--	608	501	2,528	3,137
Ethane	2,613	--	--	4	--	--	-90	--	513	2,194
Propane	2,054	-1	--	284	71	--	270	--	1,501	636
Normal Butane	636	-13	--	321	34	--	375	63	446	94
Isobutane	456	-5	--	-16	7	--	-7	234	2	213
Natural Gasoline	768	-415	-24	--	0	--	60	204	65	0
Refinery Olefins	--	--	--	252	18	--	3	--	--	266
Ethylene	--	--	--	0	--	--	0	--	--	0
Propylene	--	--	--	252	15	--	0	--	--	267
Normal Butylene	--	--	--	0	3	--	4	--	--	-1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-200	1,363	--	1,529	243	-85	2,221	499	299
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,363	--	57	176	-47	1,225	117	299
Hydrogen	--	--	--	--	--	226	--	226	--	0
Biofuels (including Fuel Ethanol)	--	--	1,363	--	57	-51	-47	999	117	299
Fuel Ethanol ⁵	--	--	1,038	--	--	-51	-27	925	89	0
Biofuels (excluding Fuel Ethanol)	--	--	324	--	57	--	-20	73	28	299
Biodiesel	--	--	121	--	34	--	-15	49	28	93
Renewable Diesel Fuel	--	--	183	--	23	--	-7	19	NA	194
Other Biofuels ⁶	--	--	21	--	0	--	2	6	NA	13
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	-200	--	--	662	--	-54	206	310	0
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	0	--	810	67	16	790	71	0
Reformulated	--	--	0	--	141	186	69	258	1	0
Conventional	--	--	0	--	669	-119	-52	532	71	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	--	7	19,342	684	-17	-177	--	3,181	17,013
Finished Motor Gasoline	--	--	7	9,944	140	-17	19	--	777	9,279
Reformulated	--	--	--	3,050	--	-109	0	--	--	2,941
Conventional	--	--	7	6,894	140	92	18	--	777	6,338
Finished Aviation Gasoline	--	--	--	12	0	--	-2	--	--	14
Kerosene-Type Jet Fuel	--	--	0	1,780	144	--	8	--	181	1,735
Kerosene	--	--	--	10	--	--	3	--	2	5
Distillate Fuel Oil ⁵	--	--	0	4,996	138	--	-18	--	1,194	3,958
15 ppm sulfur and under	--	--	0	4,855	138	--	5	--	1,060	3,927
Greater than 15 to 500 ppm sulfur	--	--	0	84	0	--	-16	--	70	30
Greater than 500 ppm sulfur	--	--	--	58	0	--	-7	--	64	1
Residual Fuel Oil	--	--	--	230	103	--	-79	--	151	261
Less than 0.31 percent sulfur	--	--	--	19	10	--	-10	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	81	26	--	-15	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	129	68	--	-54	--	NA	NA
Petrochemical Feedstocks	--	--	--	218	18	--	6	--	52	178
Naphtha for Petro. Feed. Use	--	--	--	113	12	--	1	--	--	125
Other Oils for Petro. Feed. Use	--	--	--	105	6	--	6	--	52	53
Special Naphthas	--	--	--	19	20	--	-6	--	--	45
Lubricants	--	--	--	140	45	--	-19	--	108	95
Waxes	--	--	--	6	3	--	0	--	4	5
Petroleum Coke	--	--	--	837	21	--	-17	--	690	184
Marketable	--	--	--	641	21	--	-17	--	690	-12
Catalyst	--	--	--	195	--	--	--	--	--	195
Asphalt and Road Oil	--	--	--	363	50	--	-76	--	18	472
Still Gas	--	--	--	698	--	--	--	--	--	698
Miscellaneous Products	--	--	--	90	--	--	3	--	3	84
Total	19,370	0	1,345	20,188	8,836	27	-93	19,117	10,028	20,716

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocotene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	12,668	450	--	--	6,385	188	2	15,700	3,990	0
Hydrocarbon Gas Liquids	6,218	-385	-23	650	176	--	79	575	2,601	3,380
Natural Gas Liquids	6,218	-385	-23	402	157	--	79	575	2,601	3,113
Ethane	2,568	--	--	5	--	--	-11	--	493	2,091
Propane	1,943	-1	--	279	115	--	14	--	1,525	797
Normal Butane	571	-15	--	131	34	--	78	160	461	22
Isobutane	450	-6	--	-12	8	--	8	225	4	203
Natural Gasoline	685	-363	-23	--	0	--	-10	190	119	0
Refinery Olefins	--	--	--	247	18	--	0	--	--	266
Ethylene	--	--	--	0	--	--	0	--	--	0
Propylene	--	--	--	246	15	--	-1	--	--	262
Normal Butylene	--	--	--	1	4	--	1	--	--	4
Isobutylene	--	--	--	0	--	--	0	--	--	0
Other Liquids	--	-65	1,286	--	1,246	209	-11	1,966	470	250
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,286	--	55	178	-9	1,167	110	251
Hydrogen	--	--	--	--	--	209	--	209	--	0
Biofuels (including Fuel Ethanol)	--	--	1,286	--	55	-31	-9	957	110	251
Fuel Ethanol ⁵	--	--	1,002	--	--	-31	-12	890	93	0
Biofuels (excluding Fuel Ethanol)	--	--	284	--	55	--	3	67	17	251
Biodiesel	--	--	110	--	31	--	2	47	17	75
Renewable Diesel Fuel	--	--	155	--	23	--	0	14	NA	165
Other Biofuels ⁶	--	--	18	--	0	--	0	6	NA	11
Other Hydrocarbons	--	--	--	--	0	0	0	0	--	0
Unfinished Oils	--	-65	--	--	566	--	5	201	296	0
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	0	--	625	30	-7	598	64	0
Reformulated	--	--	0	--	148	295	25	417	1	0
Conventional	--	--	0	--	477	-265	-33	181	63	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	6	18,579	752	1	30	--	2,915	16,394
Finished Motor Gasoline	--	--	6	9,557	129	1	1	--	795	8,898
Reformulated	--	--	--	2,965	--	-240	0	--	--	2,724
Conventional	--	--	6	6,592	129	241	1	--	795	6,173
Finished Aviation Gasoline	--	--	--	9	0	--	-2	--	--	11
Kerosene-Type Jet Fuel	--	--	0	1,674	147	--	43	--	168	1,611
Kerosene	--	--	0	11	3	--	-5	--	4	15
Distillate Fuel Oil ⁵	--	--	0	4,802	197	--	-34	--	1,065	3,968
15 ppm sulfur and under	--	--	0	4,594	196	--	-32	--	909	3,914
Greater than 15 to 500 ppm sulfur	--	--	0	113	0	--	0	--	96	17
Greater than 500 ppm sulfur	--	--	0	94	1	--	-3	--	61	37
Residual Fuel Oil	--	--	--	268	126	--	-2	--	138	257
Less than 0.31 percent sulfur	--	--	--	40	11	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	87	31	--	8	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	142	84	--	-12	--	NA	NA
Petrochemical Feedstocks	--	--	--	225	20	--	2	--	34	210
Naphtha for Petro. Feed. Use	--	--	--	127	14	--	1	--	--	140
Other Oils for Petro. Feed. Use	--	--	--	98	6	--	1	--	34	70
Special Naphthas	--	--	--	27	17	--	0	--	--	44
Lubricants	--	--	--	148	47	--	-8	--	109	94
Waxes	--	--	--	5	4	--	1	--	4	4
Petroleum Coke	--	--	--	793	10	--	-2	--	578	228
Marketable	--	--	--	608	10	--	-2	--	578	42
Catalyst	--	--	--	186	--	--	--	--	--	186
Asphalt and Road Oil	--	--	--	324	53	--	36	--	18	323
Still Gas	--	--	--	649	--	--	--	--	--	649
Miscellaneous Products	--	--	--	87	--	--	1	--	3	83
Total	18,886	0	1,269	19,229	8,558	398	99	18,241	9,977	20,024

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	2,162	2,575	--	--	16,165	2,225	-4,272	-407	19,262	--	0	7,493
Hydrocarbon Gas Liquids	21,846	-1,830	-10	871	629	1,533	--	-90	551	9,570	13,009	8,265
Natural Gas Liquids	21,846	-1,830	-10	731	334	1,309	--	-42	551	9,570	12,301	8,194
Ethane	9,550	--	--	--	--	-5,544	--	102	--	2,187	1,717	1,219
Propane	7,026	--	--	334	252	5,353	--	-682	--	5,468	8,179	4,561
Normal Butane	2,178	--	--	390	82	1,750	--	605	26	1,866	1,902	1,973
Isobutane	919	--	--	7	--	-243	--	47	132	1	503	175
Natural Gasoline	2,173	-1,830	-10	--	--	-7	--	-114	393	48	0	266
Refinery Olefins	--	--	--	140	295	225	--	-48	--	--	708	71
Ethylene	--	--	--	10	--	--	--	--	--	--	10	--
Propylene	--	--	--	132	295	225	--	-41	--	--	693	70
Normal Butylene	--	--	--	-2	--	--	--	-7	--	--	5	1
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-745	595	--	26,270	61,522	6,005	2,968	89,996	294	388	67,166
Hydrogen/Biofuels/Other Hydrocarbons	--	--	595	--	581	10,665	-868	108	10,435	41	388	8,592
Hydrogen	--	--	--	--	--	--	79	--	--	--	0	--
Biofuels (including Fuel Ethanol)	--	--	595	--	581	10,665	-947	108	10,356	41	388	8,592
Fuel Ethanol ⁶	--	--	372	--	--	10,643	-947	43	9,986	39	0	7,079
Biofuels (excluding Fuel Ethanol) ⁷	--	--	222	--	581	22	--	65	370	2	388	1,514
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-745	--	--	3,463	19	--	419	2,068	250	0	4,220
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	22,226	50,838	6,872	2,441	77,493	2	0	54,354
Reformulated	--	--	--	--	4,230	9,711	3,599	1,288	16,252	0	0	19,065
Conventional	--	--	--	--	17,996	41,127	3,273	1,153	61,241	2	0	35,289
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	1	109,714	9,525	42,467	-5,926	-3,792	--	2,132	157,442	58,845
Finished Motor Gasoline	--	--	--	97,464	3,790	1,932	-5,926	-524	--	53	97,732	2,768
Reformulated	--	--	--	35,840	--	--	-2,707	-1	--	--	33,134	4
Conventional	--	--	--	61,624	3,790	1,932	-3,219	-523	--	53	64,597	2,764
Finished Aviation Gasoline	--	--	--	--	--	134	--	-17	--	--	151	136
Kerosene-Type Jet Fuel	--	--	--	2,355	1,072	16,526	--	-208	--	462	19,699	11,893
Kerosene	--	--	--	146	--	--	--	-6	--	4	148	545
Distillate Fuel Oil ⁶	--	--	1	5,953	3,029	21,623	--	-1,810	--	671	31,745	27,185
15 ppm sulfur and under	--	--	1	6,088	3,024	21,379	--	-1,527	--	660	31,358	25,774
Greater than 15 to 500 ppm sulfur	--	--	--	16	5	--	--	-125	--	10	136	512
Greater than 500 ppm sulfur	--	--	--	-151	--	244	--	-158	--	1	250	899
Residual Fuel Oil	--	--	--	770	556	--	--	-359	--	3	1,682	6,693
Less than 0.31 percent sulfur	--	--	--	-2	--	--	--	-122	--	NA	NA	707
0.31 to 1.00 percent sulfur	--	--	--	524	121	--	--	529	--	NA	NA	1,609
Greater than 1.00 percent sulfur	--	--	--	248	435	--	--	-766	--	NA	NA	4,377
Petrochemical Feedstocks	--	--	--	--	3	300	--	--	--	--	303	--
Naphtha for Petro. Feed. Use	--	--	--	--	3	300	--	--	--	--	303	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	9	2	--	--	-3	--	--	14	46
Lubricants	--	--	--	370	103	360	--	-215	--	289	759	1,341
Waxes	--	--	--	18	51	--	--	6	--	72	-9	365
Petroleum Coke	--	--	--	450	1	506	--	--	--	478	479	--
Marketable	--	--	--	220	1	506	--	--	--	478	249	--
Catalyst	--	--	--	230	--	--	--	--	--	--	230	--
Asphalt and Road Oil	--	--	--	1,172	918	1,086	--	-652	--	81	3,747	7,819
Still Gas	--	--	--	937	--	--	--	--	--	--	937	--
Miscellaneous Products	--	--	--	70	--	--	--	-4	--	19	55	54
Total	24,008	0	585	110,585	52,589	107,747	-4,193	-1,321	109,809	11,996	170,838	141,769

-- = Not Applicable.
 NA = No Data Reported.
 -- = Not Available.
¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
 Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	12,756	12,339	--	--	103,820	14,250	-13,879	-119	127,965	1,440	0	7,493
Hydrocarbon Gas Liquids	124,141	-8,779	-54	3,797	7,217	10,930	--	-1,443	6,172	49,589	82,934	8,265
Natural Gas Liquids	124,141	-8,779	-54	2,743	5,439	9,640	--	-1,361	6,172	49,589	78,729	8,194
Ethane	53,832	--	--	--	--	-31,766	--	359	--	12,975	8,732	1,219
Propane	41,001	--	--	2,392	5,132	34,159	--	-2,278	--	25,985	58,977	4,561
Normal Butane	12,402	--	--	534	292	9,801	--	459	3,944	10,359	8,267	1,973
Isobutane	5,553	--	--	-183	15	-1,842	--	35	750	4	2,753	175
Natural Gasoline	11,353	-8,779	-54	--	--	-712	--	64	1,478	266	0	266
Refinery Olefins	--	--	--	1,054	1,778	1,291	--	-82	--	--	4,205	71
Ethylene	--	--	--	29	--	--	--	--	--	--	29	--
Propylene	--	--	--	1,033	1,778	1,291	--	-67	--	--	4,169	70
Normal Butylene	--	--	--	-32	--	--	--	1	--	--	-33	1
Isobutylene	--	--	--	24	--	--	--	-16	--	--	40	0
Other Liquids	--	-3,561	3,231	--	108,002	375,858	38,987	2,074	517,603	1,228	1,613	67,166
Hydrogen/Biofuels/Other Hydrocarbons	--	--	3,231	--	2,938	57,019	1,508	461	61,858	764	1,613	8,592
Hydrogen	--	--	--	--	--	--	365	--	365	--	0	--
Biofuels (including Fuel Ethanol)	--	--	3,231	--	2,938	57,019	1,143	461	61,493	764	1,613	8,592
Fuel Ethanol ⁶	--	--	2,083	--	--	56,279	1,143	45	58,719	741	0	7,079
Biofuels (excluding Fuel Ethanol) ⁷	--	--	1,148	--	2,938	740	--	416	2,774	24	1,613	1,514
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-3,561	--	--	12,362	-8	--	763	7,584	446	0	4,220
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	92,702	318,847	37,479	850	448,161	17	0	54,354
Reformulated	--	--	--	--	25,704	46,810	25,024	2,229	95,308	1	0	19,065
Conventional	--	--	--	--	66,998	272,037	12,455	-1,379	352,853	16	0	35,289
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	4	652,987	74,966	258,273	-38,622	-1,584	--	11,748	937,443	58,845
Finished Motor Gasoline	--	--	--	574,870	18,904	13,461	-38,622	-126	--	636	568,102	2,768
Reformulated	--	--	--	210,069	--	--	-22,556	-1	--	--	187,514	4
Conventional	--	--	--	364,801	18,904	13,461	-16,066	-125	--	636	380,589	2,764
Finished Aviation Gasoline	--	--	--	--	18	523	--	-70	--	--	611	136
Kerosene-Type Jet Fuel	--	--	--	16,305	9,517	89,224	--	2,936	--	1,255	110,855	11,893
Kerosene	--	--	0	498	504	596	--	-1,071	--	26	2,643	545
Distillate Fuel Oil ⁶	--	--	4	39,699	29,938	142,388	--	-7,217	--	2,942	216,304	27,185
15 ppm sulfur and under	--	--	4	39,568	29,791	140,644	--	-6,241	--	2,180	214,068	25,774
Greater than 15 to 500 ppm sulfur	--	--	0	129	16	--	--	-79	--	606	-382	512
Greater than 500 ppm sulfur	--	--	0	2	131	1,744	--	-897	--	156	2,618	899
Residual Fuel Oil	--	--	--	4,588	9,700	--	--	1,082	--	1,808	11,398	6,693
Less than 0.31 percent sulfur	--	--	--	-48	998	--	--	414	--	NA	NA	707
0.31 to 1.00 percent sulfur	--	--	--	3,227	2,260	--	--	767	--	NA	NA	1,609
Greater than 1.00 percent sulfur	--	--	--	1,409	6,442	--	--	-99	--	NA	NA	4,377
Petrochemical Feedstocks	--	--	--	--	419	300	--	--	--	155	564	--
Naphtha for Petro. Feed. Use	--	--	--	--	383	300	--	--	--	--	683	--
Other Oils for Petro. Feed. Use	--	--	--	--	36	--	--	--	--	155	-119	--
Special Naphthas	--	--	--	31	12	--	--	-15	--	--	58	46
Lubricants	--	--	--	2,081	708	2,879	--	-199	--	1,447	4,420	1,341
Waxes	--	--	--	-24	485	--	--	144	--	417	-100	365
Petroleum Coke	--	--	--	2,511	2	2,069	--	--	--	2,526	2,056	--
Marketable	--	--	--	1,008	2	2,069	--	--	--	2,526	553	--
Catalyst	--	--	--	1,503	--	--	--	--	--	--	1,503	--
Asphalt and Road Oil	--	--	--	6,743	4,759	6,834	--	2,964	--	443	14,928	7,819
Still Gas	--	--	--	5,278	--	--	--	--	--	--	5,278	--
Miscellaneous Products	--	--	--	407	--	--	--	-12	--	93	326	54
Total	136,897	0	3,180	656,784	294,005	659,312	-13,514	-1,072	651,740	64,006	1,021,990	141,769

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	72	86	--	--	539	74	-142	-14	642	--	0
Hydrocarbon Gas Liquids	728	-61	0	29	21	51	--	-3	18	319	434
Natural Gas Liquids	728	-61	0	24	11	44	--	-1	18	319	410
Ethane	318	--	--	--	--	-185	--	3	--	73	57
Propane	234	--	--	11	8	178	--	-23	--	182	273
Normal Butane	73	--	--	13	3	58	--	20	1	62	63
Isobutane	31	--	--	0	--	-8	--	2	4	0	17
Natural Gasoline	72	-61	0	--	--	0	--	-4	13	2	0
Refinery Olefins	--	--	--	5	10	7	--	-2	--	--	24
Ethylene	--	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	--	4	10	7	--	-1	--	--	23
Normal Butylene	--	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-25	20	--	876	2,051	200	99	3,000	10	13
Hydrogen/Biofuels/Other Hydrocarbons	--	--	20	--	19	355	-29	4	348	1	13
Hydrogen	--	--	--	--	--	--	3	--	3	--	0
Biofuels (including Fuel Ethanol)	--	--	20	--	19	355	-32	4	345	1	13
Fuel Ethanol ⁶	--	--	12	--	--	355	-32	1	333	1	0
Biofuels (excluding Fuel Ethanol) ⁷	--	--	7	--	19	1	--	2	12	0	13
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-25	--	--	115	1	--	14	69	8	0
Motor Gasoline Blend Comp. (MGBC) ⁶	--	--	--	--	741	1,695	229	81	2,583	0	0
Reformulated	--	--	--	--	141	324	120	43	542	0	0
Conventional	--	--	--	--	600	1,371	109	38	2,041	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	3,657	318	1,416	-198	-126	--	71	5,248
Finished Motor Gasoline	--	--	--	3,249	126	64	-198	-17	--	2	3,258
Reformulated	--	--	--	1,195	--	--	-90	0	--	--	1,104
Conventional	--	--	--	2,054	126	64	-107	-17	--	2	2,153
Finished Aviation Gasoline	--	--	--	--	--	4	--	-1	--	--	5
Kerosene-Type Jet Fuel	--	--	--	79	36	551	--	-7	--	15	657
Kerosene	--	--	--	5	--	--	--	0	--	0	5
Distillate Fuel Oil ⁶	--	--	0	198	101	721	--	-60	--	22	1,058
15 ppm sulfur and under	--	--	0	203	101	713	--	-51	--	22	1,045
Greater than 15 to 500 ppm sulfur	--	--	--	1	0	--	--	-4	--	0	5
Greater than 500 ppm sulfur	--	--	--	-5	--	8	--	-5	--	0	8
Residual Fuel Oil	--	--	--	26	19	--	--	-12	--	0	56
Less than 0.31 percent sulfur	--	--	--	0	--	--	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	17	4	--	--	18	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	8	15	--	--	-26	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	0	10	--	--	--	--	10
Naphtha for Petro. Feed. Use	--	--	--	--	0	10	--	--	--	--	10
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	--	12	3	12	--	-7	--	10	25
Waxes	--	--	--	1	2	--	--	0	--	2	0
Petroleum Coke	--	--	--	15	0	17	--	--	--	16	16
Marketable	--	--	--	7	0	17	--	--	--	16	8
Catalyst	--	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	--	39	31	36	--	-22	--	3	125
Still Gas	--	--	--	31	--	--	--	--	--	--	31
Miscellaneous Products	--	--	--	2	--	--	--	0	--	1	2
Total	800	0	20	3,686	1,753	3,592	-140	-44	3,660	400	5,695

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	70	68	--	--	574	79	-77	-1	707	8	0
Hydrocarbon Gas Liquids	686	-49	0	21	40	60	--	-8	34	274	458
Natural Gas Liquids	686	-49	0	15	30	53	--	-8	34	274	435
Ethane	297	--	--	--	--	-176	--	2	--	72	48
Propane	227	--	--	13	28	189	--	-13	--	144	326
Normal Butane	69	--	--	3	2	54	--	3	22	57	46
Isobutane	31	--	--	-1	0	-10	--	0	4	0	15
Natural Gasoline	63	-49	0	--	--	-4	--	0	8	1	0
Refinery Olefins	--	--	--	6	10	7	--	0	--	--	23
Ethylene	--	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	--	6	10	7	--	0	--	--	23
Normal Butylene	--	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	--	0	--	--	--	0	--	--	0
Other Liquids	--	-20	18	--	597	2,077	215	11	2,860	7	9
Hydrogen/Biofuels/Other Hydrocarbons	--	--	18	--	16	315	8	3	342	4	9
Hydrogen	--	--	--	--	--	--	2	--	2	--	0
Biofuels (including Fuel Ethanol)	--	--	18	--	16	315	6	3	340	4	9
Fuel Ethanol ⁶	--	--	12	--	--	311	6	0	324	4	0
Biofuels (excluding Fuel Ethanol) ⁷	--	--	6	--	16	4	--	2	15	0	9
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-20	--	--	68	0	--	4	42	2	0
Motor Gasoline Blend Comp. (MGBC) ⁶	--	--	--	--	512	1,762	207	5	2,476	0	0
Reformulated	--	--	--	--	142	259	138	12	527	0	0
Conventional	--	--	--	--	370	1,503	69	-8	1,949	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	3,608	414	1,427	-213	-9	--	65	5,179
Finished Motor Gasoline	--	--	--	3,176	104	74	-213	-1	--	4	3,139
Reformulated	--	--	--	1,161	--	--	-125	0	--	--	1,036
Conventional	--	--	--	2,015	104	74	-89	-1	--	4	2,103
Finished Aviation Gasoline	--	--	--	--	0	3	--	0	--	--	3
Kerosene-Type Jet Fuel	--	--	--	90	53	493	--	16	--	7	612
Kerosene	--	--	0	3	3	3	--	-6	--	0	15
Distillate Fuel Oil ⁶	--	--	0	219	165	787	--	-40	--	16	1,195
15 ppm sulfur and under	--	--	0	219	165	777	--	-34	--	12	1,183
Greater than 15 to 500 ppm sulfur	--	--	0	1	0	--	--	0	--	3	-2
Greater than 500 ppm sulfur	--	--	0	0	1	10	--	-5	--	1	14
Residual Fuel Oil	--	--	--	25	54	--	--	6	--	10	63
Less than 0.31 percent sulfur	--	--	--	0	6	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	18	12	--	--	4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	8	36	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	2	2	--	--	--	1	3
Naphtha for Petro. Feed. Use	--	--	--	--	2	2	--	--	--	--	4
Other Oils for Petro. Feed. Use	--	--	--	--	0	--	--	--	--	1	-1
Special Naphthas	--	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	--	11	4	16	--	-1	--	8	24
Waxes	--	--	--	0	3	--	--	1	--	2	-1
Petroleum Coke	--	--	--	14	0	11	--	--	--	14	11
Marketable	--	--	--	6	0	11	--	--	--	14	3
Catalyst	--	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	--	37	26	38	--	16	--	2	82
Still Gas	--	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products	--	--	--	2	--	--	--	0	--	1	2
Total	756	0	18	3,629	1,624	3,643	-75	-6	3,601	354	5,646

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	54,172	3,850	--	--	84,500	-16,324	-2,334	1,070	120,442	2,352	0	126,290
Hydrocarbon Gas Liquids	35,114	-6,112	-685	6,245	1,681	-16,754	--	3,919	2,746	5,452	7,372	49,896
Natural Gas Liquids	35,114	-6,112	-685	4,892	1,446	-16,163	--	3,962	2,746	5,452	6,333	49,442
Ethane	11,987	--	--	--	--	-6,009	--	-223	--	3,359	2,842	6,399
Propane	12,412	--	--	2,186	918	-10,097	--	2,927	--	134	2,359	20,244
Normal Butane	4,455	--	--	3,040	370	-5,060	--	2,114	43	129	519	12,319
Isobutane	1,992	--	--	-334	155	409	--	-262	1,869	2	613	1,784
Natural Gasoline	4,268	-6,112	-685	--	3	4,594	--	-594	834	1,828	0	8,696
Refinery Olefins	--	--	--	1,353	235	-592	--	-43	--	--	1,039	454
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1,180	157	-592	--	-59	--	--	804	373
Normal Butylene	--	--	--	173	78	--	--	16	--	--	235	81
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	2,263	32,774	--	451	-13,116	-873	-1,681	17,022	4,171	1,985	64,567
Hydrogen/Biofuels/Other Hydrocarbons	--	--	32,774	--	63	-21,453	650	-709	9,346	1,412	1,985	9,620
Hydrogen	--	--	--	--	--	--	1,080	--	1,080	--	0	--
Biofuels (including Fuel Ethanol)	--	--	32,774	--	63	-21,453	-450	-708	8,245	1,412	1,985	9,608
Fuel Ethanol	--	--	29,459	--	--	-20,959	-450	-607	7,657	1,000	0	8,432
Biofuels (excluding Fuel Ethanol) ⁶	--	--	3,315	--	63	-495	--	-102	588	412	1,985	1,177
Other Hydrocarbons	--	--	--	--	--	--	20	-1	21	--	0	12
Unfinished Oils	--	2,263	--	--	22	-312	--	-789	146	2,616	0	13,601
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	366	8,649	-1,523	-182	7,530	144	0	41,345
Reformulated	--	--	0	--	--	4,218	-2,001	161	2,056	--	0	5,651
Conventional	--	--	0	--	366	4,431	478	-343	5,474	144	0	35,694
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	144	141,221	1,362	2,452	1,973	1,297	--	802	145,054	58,599
Finished Motor Gasoline	--	--	154	77,830	--	907	1,973	170	--	178	80,516	3,873
Reformulated	--	--	--	10,265	--	--	2,277	--	--	--	12,542	--
Conventional	--	--	154	67,565	--	907	-303	170	--	178	67,974	3,873
Finished Aviation Gasoline	--	--	--	35	4	25	--	-13	--	--	77	137
Kerosene-Type Jet Fuel	--	--	--	8,649	--	-286	--	-404	--	44	8,723	7,351
Kerosene	--	--	--	-27	--	--	--	-26	--	1	-2	153
Distillate Fuel Oil	--	--	-10	36,221	361	4,096	--	2,147	--	30	38,491	28,188
15 ppm sulfur and under	--	--	-10	36,076	357	3,991	--	2,279	--	1	38,135	27,346
Greater than 15 to 500 ppm sulfur	--	--	0	-1	3	105	--	-63	--	3	167	283
Greater than 500 ppm sulfur	--	--	--	146	1	--	--	-69	--	27	189	559
Residual Fuel Oil	--	--	--	1,114	79	-495	--	59	--	1	638	1,008
Less than 0.31 percent sulfur	--	--	--	64	--	-76	--	-11	--	NA	NA	114
0.31 to 1.00 percent sulfur	--	--	--	470	9	-292	--	34	--	NA	NA	216
Greater than 1.00 percent sulfur	--	--	--	580	70	-127	--	36	--	NA	NA	678
Petrochemical Feedstocks	--	--	--	894	154	-56	--	21	--	--	971	566
Naphtha for Petro. Feed. Use	--	--	--	520	90	-56	--	24	--	--	530	452
Other Oils for Petro. Feed. Use	--	--	--	374	64	--	--	-3	--	--	441	114
Special Naphthas	--	--	--	-33	23	25	--	-13	--	--	28	177
Lubricants	--	--	--	176	218	147	--	-42	--	203	380	809
Waxes	--	--	--	43	20	--	--	3	--	33	27	71
Petroleum Coke	--	--	--	5,540	17	-797	--	272	--	215	4,273	2,299
Marketable	--	--	--	4,133	17	-797	--	272	--	215	2,866	2,299
Catalyst	--	--	--	1,407	--	--	--	--	--	--	1,407	--
Asphalt and Road Oil	--	--	--	5,787	486	-1,121	--	-858	--	97	5,913	13,773
Still Gas	--	--	--	4,537	--	--	--	--	--	--	4,537	--
Miscellaneous Products	--	--	--	455	--	7	--	-19	--	0	481	194
Total	89,286	0	32,233	147,466	87,994	-43,742	-1,234	4,605	140,210	12,777	154,411	299,352

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	317,171	19,790	--	--	522,758	-122,611	-15,492	19,650	686,759	15,208	0	126,290
Hydrocarbon Gas Liquids	207,498	-28,116	-3,999	22,698	11,342	-99,821	--	-2,450	18,378	35,191	58,482	49,896
Natural Gas Liquids	207,498	-28,116	-3,999	15,319	9,794	-95,645	--	-2,521	18,378	35,191	53,803	49,442
Ethane	74,806	--	--	--	--	-40,050	--	204	--	13,259	21,293	6,399
Propane	72,229	--	--	13,488	5,972	-63,455	--	-2,782	--	866	30,150	20,244
Normal Butane	24,472	--	--	3,278	2,452	-25,561	--	2,233	3,090	666	-1,348	12,319
Isobutane	12,310	--	--	-1,447	1,357	1,399	--	-245	10,147	10	3,707	1,784
Natural Gasoline	23,681	-28,116	-3,999	--	13	32,022	--	-1,931	5,141	20,390	0	8,696
Refinery Olefins	--	--	--	7,379	1,548	-4,177	--	71	--	--	4,679	454
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	6,698	913	-4,177	--	1	--	--	3,433	373
Normal Butylene	--	--	--	681	635	--	--	70	--	--	1,246	81
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	8,326	190,450	--	3,471	-88,233	-12,000	-3,572	73,045	22,122	10,418	64,567
Hydrogen/Biofuels/Other Hydrocarbons	--	--	190,453	--	553	-121,039	-1,463	-1,623	52,926	6,783	10,418	9,620
Hydrogen	--	--	--	--	--	--	6,785	--	6,785	--	0	--
Biofuels (including Fuel Ethanol)	--	--	190,453	--	553	-121,039	-8,325	-1,625	46,066	6,783	10,418	9,608
Fuel Ethanol	--	--	172,556	--	--	-116,953	-8,325	-1,565	43,532	5,310	0	8,432
Biofuels (excluding Fuel Ethanol) ⁶	--	--	17,898	--	553	-4,086	--	-60	2,534	1,473	10,418	1,177
Other Hydrocarbons	--	--	--	--	--	--	77	2	75	--	0	12
Unfinished Oils	--	8,326	--	--	135	-3,411	--	28	-9,895	14,917	0	13,601
Motor Gasoline Blend.Comp. (MGBC)	--	--	-3	--	2,783	36,217	-10,537	-1,977	30,014	423	0	41,345
Reformulated	--	--	0	--	--	11,149	232	1,316	10,065	--	0	5,651
Conventional	--	--	-3	--	2,783	25,068	-10,770	-3,293	19,949	423	0	35,694
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	820	793,510	8,681	2,391	18,862	3,377	--	5,353	815,535	58,599
Finished Motor Gasoline	--	--	847	439,371	--	2,558	18,862	611	--	1,494	459,533	3,873
Reformulated	--	--	--	60,360	--	--	821	--	--	--	61,181	--
Conventional	--	--	847	379,011	--	2,558	18,042	611	--	1,494	398,352	3,873
Finished Aviation Gasoline	--	--	--	101	26	130	--	-66	--	--	323	137
Kerosene-Type Jet Fuel	--	--	--	48,448	--	850	--	549	--	194	48,555	7,351
Kerosene	--	--	--	369	20	--	--	55	--	5	329	153
Distillate Fuel Oil	--	--	-27	202,967	1,692	15,513	--	-668	--	357	220,456	28,188
15 ppm sulfur and under	--	--	-27	202,509	1,616	15,021	--	-708	--	13	219,814	27,346
Greater than 15 to 500 ppm sulfur	--	--	0	575	23	492	--	-114	--	35	1,169	283
Greater than 500 ppm sulfur	--	--	--	-117	53	--	--	154	--	308	-526	559
Residual Fuel Oil	--	--	--	5,866	451	-4,429	--	-180	--	1	2,067	1,008
Less than 0.31 percent sulfur	--	--	--	356	--	-464	--	-105	--	NA	NA	114
0.31 to 1.00 percent sulfur	--	--	--	2,426	44	-1,471	--	-28	--	NA	NA	216
Greater than 1.00 percent sulfur	--	--	--	3,084	407	-2,494	--	-47	--	NA	NA	678
Petrochemical Feedstocks	--	--	--	5,012	972	-363	--	38	--	--	5,583	566
Naphtha for Petro. Feed. Use	--	--	--	2,807	544	-278	--	59	--	--	3,014	452
Other Oils for Petro. Feed. Use	--	--	--	2,205	428	-85	--	-21	--	--	2,569	114
Special Naphthas	--	--	--	-112	62	152	--	59	--	--	43	177
Lubricants	--	--	--	1,224	1,402	1,018	--	87	--	1,136	2,421	809
Waxes	--	--	--	243	89	--	--	24	--	194	114	71
Petroleum Coke	--	--	--	32,195	106	-5,688	--	-320	--	1,597	25,336	2,299
Marketable	--	--	--	24,126	106	-5,688	--	-320	--	1,597	17,267	2,299
Catalyst	--	--	--	8,069	--	--	--	--	--	--	8,069	--
Asphalt and Road Oil	--	--	--	29,832	3,861	-7,400	--	3,126	--	367	22,800	13,773
Still Gas	--	--	--	25,153	--	--	--	--	--	--	25,153	--
Miscellaneous Products	--	--	--	2,841	--	50	--	62	--	8	2,821	194
Total	524,669	0	187,271	816,208	546,252	-308,274	-8,630	17,006	778,182	77,874	884,434	299,352

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,806	128	--	--	2,817	-544	-78	36	4,015	78	0
Hydrocarbon Gas Liquids	1,170	-204	-23	208	56	-558	--	131	92	182	246
Natural Gas Liquids	1,170	-204	-23	163	48	-539	--	132	92	182	211
Ethane	400	--	--	--	--	-200	--	-7	--	112	95
Propane	414	--	--	73	31	-337	--	98	--	4	79
Normal Butane	149	--	--	101	12	-169	--	70	1	4	17
Isobutane	66	--	--	-11	5	14	--	-9	62	0	20
Natural Gasoline	142	-204	-23	--	0	153	--	-20	28	61	0
Refinery Olefins	--	--	--	45	8	-20	--	-1	--	--	35
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	39	5	-20	--	-2	--	--	27
Normal Butylene	--	--	--	6	3	--	--	1	--	--	8
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	75	1,092	--	15	-437	-29	-56	567	139	66
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,092	--	2	-715	22	-24	312	47	66
Hydrogen	--	--	--	--	--	--	36	--	36	--	0
Biofuels (including Fuel Ethanol)	--	--	1,092	--	2	-715	-15	-24	275	47	66
Fuel Ethanol	--	--	982	--	--	-699	-15	-20	255	33	0
Biofuels (excluding Fuel Ethanol) ⁶	--	--	110	--	2	-16	--	-3	20	14	66
Other Hydrocarbons	--	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	75	--	--	1	-10	--	-26	5	87	0
Motor Gasoline Blend Comp. (MGBC)	--	--	0	--	12	288	-51	-6	251	5	0
Reformulated	--	--	0	--	--	141	-67	5	69	--	0
Conventional	--	--	0	--	12	148	16	-11	182	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	5	4,707	45	82	66	43	--	27	4,835
Finished Motor Gasoline	--	--	5	2,594	--	30	66	6	--	6	2,684
Reformulated	--	--	--	342	--	--	76	--	--	--	418
Conventional	--	--	5	2,252	--	30	-10	6	--	6	2,266
Finished Aviation Gasoline	--	--	--	1	0	1	--	0	--	--	3
Kerosene-Type Jet Fuel	--	--	--	288	--	-10	--	-13	--	1	291
Kerosene	--	--	--	-1	--	--	--	-1	--	0	0
Distillate Fuel Oil	--	--	0	1,207	12	137	--	72	--	1	1,283
15 ppm sulfur and under	--	--	0	1,203	12	133	--	76	--	0	1,271
Greater than 15 to 500 ppm sulfur	--	--	0	0	0	4	--	-2	--	0	6
Greater than 500 ppm sulfur	--	--	--	5	0	--	--	-2	--	1	6
Residual Fuel Oil	--	--	--	37	3	-17	--	2	--	0	21
Less than 0.31 percent sulfur	--	--	--	2	--	-3	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	16	0	-10	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	19	2	-4	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	--	30	5	-2	--	1	--	--	32
Naphtha for Petro. Feed. Use	--	--	--	17	3	-2	--	1	--	--	18
Other Oils for Petro. Feed. Use	--	--	--	12	2	--	--	0	--	--	15
Special Naphthas	--	--	--	-1	1	1	--	0	--	--	1
Lubricants	--	--	--	6	7	5	--	-1	--	7	13
Waxes	--	--	--	1	1	--	--	0	--	1	1
Petroleum Coke	--	--	--	185	1	-27	--	9	--	7	142
Marketable	--	--	--	138	1	-27	--	9	--	7	96
Catalyst	--	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	--	193	16	-37	--	-29	--	3	197
Still Gas	--	--	--	151	--	--	--	--	--	--	151
Miscellaneous Products	--	--	--	15	--	0	--	-1	--	0	16
Total	2,976	0	1,074	4,916	2,933	-1,458	-41	153	4,674	426	5,147

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,752	109	--	--	2,888	-677	-86	109	3,794	84	0
Hydrocarbon Gas Liquids	1,146	-155	-22	125	63	-551	--	-14	102	194	323
Natural Gas Liquids	1,146	-155	-22	85	54	-528	--	-14	102	194	297
Ethane	413	--	--	--	--	-221	--	1	--	73	118
Propane	399	--	--	75	33	-351	--	-15	--	5	167
Normal Butane	135	--	--	18	14	-141	--	12	17	4	-7
Isobutane	68	--	--	-8	7	8	--	-1	56	0	20
Natural Gasoline	131	-155	-22	--	0	177	--	-11	28	113	0
Refinery Olefins	--	--	--	41	9	-23	--	0	--	--	26
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	37	5	-23	--	0	--	--	19
Normal Butylene	--	--	--	4	4	--	--	0	--	--	7
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	46	1,052	--	19	-487	-66	-20	404	122	58
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,052	--	3	-669	-8	-9	292	37	58
Hydrogen	--	--	--	--	--	--	37	--	37	--	0
Biofuels (including Fuel Ethanol)	--	--	1,052	--	3	-669	-46	-9	255	37	58
Fuel Ethanol	--	--	953	--	--	-646	-46	-9	241	29	0
Biofuels (excluding Fuel Ethanol) ⁶	--	--	99	--	3	-23	--	0	14	8	58
Other Hydrocarbons	--	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	46	--	--	1	-19	--	0	-55	82	0
Motor Gasoline Blend Comp. (MGBC)	--	--	0	--	15	200	-58	-11	166	2	0
Reformulated	--	--	0	--	--	62	1	7	56	--	0
Conventional	--	--	0	--	15	138	-60	-18	110	2	0
Aviation Gasoline Blend Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	5	4,384	48	13	104	19	--	30	4,506
Finished Motor Gasoline	--	--	5	2,427	--	14	104	3	--	8	2,539
Reformulated	--	--	--	333	--	--	5	--	--	--	338
Conventional	--	--	5	2,094	--	14	100	3	--	8	2,201
Finished Aviation Gasoline	--	--	--	1	0	1	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	--	268	--	5	--	3	--	1	268
Kerosene	--	--	--	2	0	--	--	0	--	0	2
Distillate Fuel Oil	--	--	0	1,121	9	86	--	-4	--	2	1,218
15 ppm sulfur and under	--	--	0	1,119	9	83	--	-4	--	0	1,214
Greater than 15 to 500 ppm sulfur	--	--	0	3	0	3	--	-1	--	0	6
Greater than 500 ppm sulfur	--	--	--	-1	0	--	--	1	--	2	-3
Residual Fuel Oil	--	--	--	32	2	-24	--	-1	--	0	11
Less than 0.31 percent sulfur	--	--	--	2	--	-3	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	13	0	-8	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	17	2	-14	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	28	5	-2	--	0	--	--	31
Naphtha for Petro. Feed. Use	--	--	--	16	3	-2	--	0	--	--	17
Other Oils for Petro. Feed. Use	--	--	--	12	2	0	--	0	--	--	14
Special Naphthas	--	--	--	-1	0	1	--	0	--	--	0
Lubricants	--	--	--	7	8	6	--	0	--	6	13
Waxes	--	--	--	1	0	--	--	0	--	1	1
Petroleum Coke	--	--	--	178	1	-31	--	-2	--	9	140
Marketable	--	--	--	133	1	-31	--	-2	--	9	95
Catalyst	--	--	--	45	--	--	--	--	--	--	45
Asphalt and Road Oil	--	--	--	165	21	-41	--	17	--	2	126
Still Gas	--	--	--	139	--	--	--	--	--	--	139
Miscellaneous Products	--	--	--	16	--	0	--	0	--	0	16
Total	2,899	0	1,035	4,509	3,018	-1,703	-48	94	4,299	430	4,886

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	278,560	11,358	--	--	41,658	31,784	1,066	-10,655	264,115	110,966	0	593,490
Hydrocarbon Gas Liquids	120,673	-3,450	-17	15,290	--	30,246	--	12,836	10,650	58,074	81,181	154,937
Natural Gas Liquids	120,673	-3,450	-17	9,610	--	29,879	--	12,740	10,650	58,074	75,230	153,886
Ethane	51,990	--	--	134	--	16,970	--	-2,463	--	9,855	61,702	42,860
Propane	36,163	--	--	4,725	--	9,573	--	5,054	--	38,238	7,169	49,992
Normal Butane	9,668	--	--	4,973	--	5,129	--	7,695	1,725	9,850	500	36,670
Isobutane	9,587	--	--	-222	--	794	--	-35	4,273	62	5,860	10,777
Natural Gasoline	13,265	-3,450	-17	--	--	-2,587	--	2,489	4,652	70	0	13,587
Refinery Olefins	--	--	--	5,680	--	367	--	96	--	--	5,951	1,051
Ethylene	--	--	--	3	--	--	--	0	--	--	3	0
Propylene	--	--	--	5,968	--	367	--	78	--	--	6,257	670
Normal Butylene	--	--	--	-291	--	--	--	18	--	--	-309	381
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-7,907	4,751	--	15,521	-59,773	3,250	-2,975	-54,442	9,944	3,315	129,646
Hydrogen/Biofuels/Other Hydrocarbons	--	--	4,751	--	147	4,603	3,915	-580	8,966	1,712	3,318	5,630
Hydrogen	--	--	--	--	--	--	4,111	--	4,111	--	0	--
Biofuels (including Fuel Ethanol)	--	--	4,751	--	147	4,603	-196	-580	4,855	1,712	3,318	5,630
Fuel Ethanol	--	--	737	--	--	5,274	-196	-246	4,615	1,447	0	3,975
Biofuels (excluding Fuel Ethanol) ⁷	--	--	4,014	--	147	-671	--	-333	240	265	3,318	1,655
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-7,907	--	--	14,339	293	--	-1,099	1,452	6,372	0	46,795
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	1,035	-64,669	-665	-1,283	-64,876	1,860	0	77,196
Reformulated	--	--	--	--	--	-15,718	3,819	179	-12,099	21	0	11,749
Conventional	--	--	--	--	1,035	-48,951	-4,483	-1,462	-52,777	1,840	0	65,447
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	-13	16	--	-3	25
Finished Petroleum Products	--	--	5	223,238	4,356	-46,970	861	-2,350	--	83,235	100,604	103,705
Finished Motor Gasoline	--	--	--	67,325	--	-2,571	861	756	--	21,859	43,000	7,827
Reformulated	--	--	--	14,500	--	--	-3,007	--	--	--	11,493	--
Conventional	--	--	--	52,825	--	-2,571	3,868	756	--	21,859	31,507	7,827
Finished Aviation Gasoline	--	--	--	191	--	-159	--	-96	--	--	128	399
Kerosene-Type Jet Fuel	--	--	--	27,173	--	-17,316	--	468	--	4,305	5,084	13,817
Kerosene	--	--	--	180	--	--	--	123	--	50	7	597
Distillate Fuel Oil	--	--	5	87,147	--	-27,024	--	-1,027	--	31,416	29,739	41,635
15 ppm sulfur and under	--	--	5	83,330	--	-26,675	--	-905	--	27,776	29,789	35,345
Greater than 15 to 500 ppm sulfur	--	--	0	2,270	--	-105	--	-179	--	2,086	258	1,235
Greater than 500 ppm sulfur	--	--	--	1,547	--	-244	--	57	--	1,554	-308	5,055
Residual Fuel Oil	--	--	--	2,678	1,783	495	--	-1,197	--	4,172	1,981	18,531
Less than 0.31 percent sulfur	--	--	--	304	--	76	--	-278	--	NA	NA	1,340
0.31 to 1.00 percent sulfur	--	--	--	854	263	292	--	-719	--	NA	NA	5,205
Greater than 1.00 percent sulfur	--	--	--	1,520	1,520	127	--	-200	--	NA	NA	11,986
Petrochemical Feedstocks	--	--	--	5,637	364	-244	--	172	--	1,254	4,331	2,136
Naphtha for Petro. Feed. Use	--	--	--	2,882	240	-244	--	-3	--	--	2,881	1,464
Other Oils for Petro. Feed. Use	--	--	--	2,755	124	--	--	175	--	1,254	1,450	672
Special Naphthas	--	--	--	589	575	-25	--	-156	--	--	1,295	719
Lubricants	--	--	--	3,412	1,025	-521	--	-323	--	2,654	1,585	8,749
Waxes	--	--	--	123	8	--	--	-2	--	20	113	269
Petroleum Coke	--	--	--	14,194	601	576	--	-792	--	17,110	-947	3,186
Marketable	--	--	--	11,140	601	576	--	-792	--	17,110	-4,001	3,186
Catalyst	--	--	--	3,054	--	--	--	--	--	--	3,054	--
Asphalt and Road Oil	--	--	--	1,900	--	-174	--	-395	--	336	1,785	5,104
Still Gas	--	--	--	11,000	--	--	--	--	--	--	11,000	--
Miscellaneous Products	--	--	--	1,689	--	-7	--	119	--	60	1,503	736
Total	399,233	0	4,739	238,528	61,535	-44,713	5,177	-3,144	220,323	262,219	185,101	981,778

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Includes biodiesel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	1,664,045	36,426	--	--	235,326	215,528	71,344	-21,426	1,540,846	703,248	0	593,490
Hydrocarbon Gas Liquids	689,067	-21,852	-93	79,593	9	168,348	--	15,881	72,132	374,947	452,111	154,937
Natural Gas Liquids	689,067	-21,852	-93	44,754	9	165,462	--	16,072	72,132	374,947	414,195	153,886
Ethane	308,055	--	--	904	--	100,155	--	-2,595	--	63,056	348,653	42,860
Propane	204,246	--	--	28,075	--	55,552	--	7,180	--	243,196	37,497	49,992
Normal Butane	50,069	--	--	16,770	9	25,284	--	9,964	19,837	67,297	-4,966	36,670
Isobutane	56,634	--	--	-995	--	5,269	--	1,467	25,732	697	33,012	10,777
Natural Gasoline	70,063	-21,852	-93	--	--	-20,798	--	56	26,563	701	0	13,587
Refinery Olefins	--	--	--	34,839	--	2,886	--	-191	--	--	37,916	1,051
Ethylene	--	--	--	11	--	--	--	0	--	--	11	--
Propylene	--	--	--	35,601	--	2,886	--	-135	--	--	38,622	670
Normal Butylene	--	--	--	-773	--	--	--	-56	--	--	-717	381
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-14,574	26,220	--	90,000	-352,002	10,793	2,327	-318,378	57,912	18,575	129,646
Hydrogen/Biofuels/Other Hydrocarbons	--	--	26,220	--	1,498	29,929	21,885	-424	50,743	10,579	18,633	5,630
Hydrogen	--	--	--	--	--	--	21,974	--	21,974	--	0	--
Biofuels (including Fuel Ethanol)	--	--	26,220	--	1,483	29,929	-74	-424	28,769	10,579	18,633	5,630
Fuel Ethanol	--	--	4,096	--	--	31,950	-74	-512	27,015	9,468	0	3,975
Biofuels (excluding Fuel Ethanol) ⁷	--	--	22,124	--	1,483	-2,021	--	88	1,754	1,111	18,633	1,655
Other Hydrocarbons	--	--	--	--	15	--	-15	--	--	--	0	--
Unfinished Oils	--	-14,574	--	--	80,034	3,574	--	-849	32,754	37,129	0	46,795
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	8,468	-385,505	-11,092	3,608	-401,941	10,204	0	77,196
Reformulated	--	--	--	--	292	-67,611	27,112	2,763	-43,212	242	0	11,749
Conventional	--	--	--	--	8,176	-317,894	-38,204	845	-358,729	9,962	0	65,447
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	-8	66	--	-58	25
Finished Petroleum Products	--	--	19	1,317,748	23,829	-271,999	11,166	5,739	--	456,975	618,050	103,705
Finished Motor Gasoline	--	--	0	395,521	354	-15,221	11,166	59	--	136,072	255,689	7,827
Reformulated	--	--	--	84,444	--	--	-21,582	--	--	--	62,862	--
Conventional	--	--	0	311,077	354	-15,221	32,748	59	--	136,072	192,827	7,827
Finished Aviation Gasoline	--	--	--	1,341	--	-653	--	-152	--	--	840	399
Kerosene-Type Jet Fuel	--	--	--	156,833	--	-96,138	--	4,222	--	24,888	31,585	13,817
Kerosene	--	--	--	1,147	--	-596	--	188	--	627	-264	597
Distillate Fuel Oil	--	--	19	510,845	833	-165,178	--	3,076	--	171,565	171,878	41,635
15 ppm sulfur and under	--	--	19	478,378	833	-162,942	--	2,633	--	146,818	166,837	35,345
Greater than 15 to 500 ppm sulfur	--	--	0	17,608	--	-492	--	104	--	16,063	949	1,235
Greater than 500 ppm sulfur	--	--	--	14,859	--	-1,744	--	339	--	8,684	4,092	5,055
Residual Fuel Oil	--	--	--	23,515	9,696	4,429	--	-109	--	19,548	18,201	18,531
Less than 0.31 percent sulfur	--	--	--	5,619	65	464	--	-201	--	NA	NA	1,340
0.31 to 1.00 percent sulfur	--	--	--	6,079	1,328	1,471	--	978	--	NA	NA	5,205
Greater than 1.00 percent sulfur	--	--	--	11,817	8,303	2,494	--	-886	--	NA	NA	11,986
Petrochemical Feedstocks	--	--	--	35,334	2,116	63	--	276	--	5,567	31,670	2,136
Naphtha for Petro. Feed. Use	--	--	--	20,121	1,429	-22	--	74	--	--	21,454	1,464
Other Oils for Petro. Feed. Use	--	--	--	15,213	687	85	--	202	--	5,567	10,216	672
Special Naphthas	--	--	--	4,873	2,840	-152	--	-47	--	--	7,608	719
Lubricants	--	--	--	21,281	6,210	-3,847	--	-1,309	--	15,680	9,273	8,749
Waxes	--	--	--	673	53	--	--	-64	--	120	670	269
Petroleum Coke	--	--	--	82,042	1,727	5,489	--	292	--	80,167	8,799	3,186
Marketable	--	--	--	64,303	1,727	5,489	--	292	--	80,167	-8,940	3,186
Catalyst	--	--	--	17,739	--	--	--	--	--	--	17,739	--
Asphalt and Road Oil	--	--	--	12,349	--	-145	--	-826	--	2,344	10,685	5,104
Still Gas	--	--	--	62,450	--	--	--	--	--	--	62,450	--
Miscellaneous Products	--	--	--	9,544	--	-50	--	133	--	397	8,964	736
Total	2,353,112	0	26,146	1,397,341	349,164	-240,126	93,303	2,522	1,294,600	1,593,081	1,088,736	981,778

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	9,285	379	--	--	1,389	1,059	36	-355	8,804	3,699	0
Hydrocarbon Gas Liquids	4,022	-115	-1	510	--	1,008	--	428	355	1,936	2,706
Natural Gas Liquids	4,022	-115	-1	320	--	996	--	425	355	1,936	2,508
Ethane	1,733	--	--	4	--	566	--	-82	--	328	2,057
Propane	1,205	--	--	158	--	319	--	168	--	1,275	239
Normal Butane	322	--	--	166	--	171	--	257	58	328	17
Isobutane	320	--	--	-7	--	26	--	-1	142	2	195
Natural Gasoline	442	-115	-1	--	--	-86	--	83	155	2	0
Refinery Olefins	--	--	--	189	--	12	--	3	--	--	198
Ethylene	--	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	--	199	--	12	--	3	--	--	209
Normal Butylene	--	--	--	-10	--	--	--	1	--	--	-10
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-264	158	--	517	-1,992	108	-99	-1,815	331	111
Hydrogen/Biofuels/Other Hydrocarbons	--	--	158	--	5	153	130	-19	299	57	111
Hydrogen	--	--	--	--	--	--	137	--	137	--	0
Biofuels (including Fuel Ethanol)	--	--	158	--	5	153	-7	-19	162	57	111
Fuel Ethanol	--	--	25	--	--	176	-7	-8	154	48	0
Biofuels (excluding Fuel Ethanol) ⁷	--	--	134	--	5	-22	--	-11	8	9	111
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-264	--	--	478	10	--	-37	48	212	0
Motor Gasoline Blend Comp. (MGBC)	--	--	--	--	35	-2,156	-22	-43	-2,163	62	0
Reformulated	--	--	--	--	--	-524	127	6	-403	1	0
Conventional	--	--	--	--	35	-1,632	-149	-49	-1,759	61	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	--	0	7,441	145	-1,566	29	-78	--	2,775	3,353
Finished Motor Gasoline	--	--	--	2,244	--	-86	29	25	--	729	1,433
Reformulated	--	--	--	483	--	--	-100	--	--	--	383
Conventional	--	--	--	1,761	--	-86	129	25	--	729	1,050
Finished Aviation Gasoline	--	--	--	6	--	-5	--	-3	--	--	4
Kerosene-Type Jet Fuel	--	--	--	906	--	-577	--	16	--	144	169
Kerosene	--	--	--	6	--	--	--	4	--	2	0
Distillate Fuel Oil	--	--	0	2,905	--	-901	--	-34	--	1,047	991
15 ppm sulfur and under	--	--	0	2,778	--	-889	--	-30	--	926	993
Greater than 15 to 500 ppm sulfur	--	--	0	76	--	-4	--	-6	--	70	9
Greater than 500 ppm sulfur	--	--	--	52	--	-8	--	2	--	52	-10
Residual Fuel Oil	--	--	--	89	59	17	--	-40	--	139	66
Less than 0.31 percent sulfur	--	--	--	10	--	3	--	-9	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	28	9	10	--	-24	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	51	51	4	--	-7	--	NA	NA
Petrochemical Feedstocks	--	--	--	188	12	-8	--	6	--	42	144
Naphtha for Petro. Feed. Use	--	--	--	96	8	-8	--	0	--	--	96
Other Oils for Petro. Feed. Use	--	--	--	92	4	--	--	6	--	42	48
Special Naphthas	--	--	--	20	19	-1	--	-5	--	--	43
Lubricants	--	--	--	114	34	-17	--	-11	--	88	53
Waxes	--	--	--	4	0	--	--	0	--	1	4
Petroleum Coke	--	--	--	473	20	19	--	-26	--	570	-32
Marketable	--	--	--	371	20	19	--	-26	--	570	-133
Catalyst	--	--	--	102	--	--	--	--	--	--	102
Asphalt and Road Oil	--	--	--	63	--	-6	--	-13	--	11	59
Still Gas	--	--	--	367	--	--	--	--	--	--	367
Miscellaneous Products	--	--	--	56	--	0	--	4	--	2	50
Total	13,308	0	158	7,951	2,051	-1,490	173	-105	7,344	8,741	6,170

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

6 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	9,194	201	--	--	1,300	1,191	394	-118	8,513	3,885	0
Hydrocarbon Gas Liquids	3,807	-121	-1	440	0	930	--	88	399	2,072	2,498
Natural Gas Liquids	3,807	-121	-1	247	0	914	--	89	399	2,072	2,288
Ethane	1,702	--	--	5	--	553	--	-14	--	348	1,926
Propane	1,128	--	--	155	--	307	--	40	--	1,344	207
Normal Butane	277	--	--	93	0	140	--	55	110	372	-27
Isobutane	313	--	--	-5	--	29	--	8	142	4	182
Natural Gasoline	387	-121	-1	--	--	-115	--	0	147	4	0
Refinery Olefins	--	--	--	192	--	16	--	-1	--	--	209
Ethylene	--	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	--	197	--	16	--	-1	--	--	213
Normal Butylene	--	--	--	-4	--	--	--	0	--	--	-4
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-81	145	--	497	-1,945	60	13	-1,759	320	103
Hydrogen/Biofuels/Other Hydrocarbons	--	--	145	--	8	165	121	-2	280	58	103
Hydrogen	--	--	--	--	--	--	121	--	121	--	0
Biofuels (including Fuel Ethanol)	--	--	145	--	8	165	0	-2	159	58	103
Fuel Ethanol	--	--	23	--	--	177	0	-3	149	52	0
Biofuels (excluding Fuel Ethanol) ⁷	--	--	122	--	8	-11	--	0	10	6	103
Other Hydrocarbons	--	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	-81	--	--	442	20	--	-5	181	205	0
Motor Gasoline Blend Comp. (MGBC)	--	--	--	--	47	-2,130	-61	20	-2,221	56	0
Reformulated	--	--	--	--	2	-374	150	15	-239	1	0
Conventional	--	--	--	--	45	-1,756	-211	5	-1,982	55	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	0	7,280	132	-1,503	62	32	--	2,525	3,415
Finished Motor Gasoline	--	--	0	2,185	2	-84	62	0	--	752	1,413
Reformulated	--	--	--	467	--	--	-119	--	--	--	347
Conventional	--	--	0	1,719	2	-84	181	0	--	752	1,065
Finished Aviation Gasoline	--	--	--	7	--	-4	--	-1	--	--	5
Kerosene-Type Jet Fuel	--	--	--	866	--	-531	--	23	--	138	175
Kerosene	--	--	--	6	--	-3	--	1	--	3	-1
Distillate Fuel Oil	--	--	0	2,822	5	-913	--	17	--	948	950
15 ppm sulfur and under	--	--	0	2,643	5	-900	--	15	--	811	922
Greater than 15 to 500 ppm sulfur	--	--	0	97	--	-3	--	1	--	89	5
Greater than 500 ppm sulfur	--	--	--	82	--	-10	--	2	--	48	23
Residual Fuel Oil	--	--	--	130	54	24	--	-1	--	108	101
Less than 0.31 percent sulfur	--	--	--	31	0	3	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	34	7	8	--	5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	65	46	14	--	-5	--	NA	NA
Petrochemical Feedstocks	--	--	--	195	12	0	--	2	--	31	175
Naphtha for Petro. Feed. Use	--	--	--	111	8	0	--	0	--	--	119
Other Oils for Petro. Feed. Use	--	--	--	84	4	0	--	1	--	31	56
Special Naphthas	--	--	--	27	16	-1	--	0	--	--	42
Lubricants	--	--	--	118	34	-21	--	-7	--	87	51
Waxes	--	--	--	4	0	--	--	0	--	1	4
Petroleum Coke	--	--	--	453	10	30	--	2	--	443	49
Marketable	--	--	--	355	10	30	--	2	--	443	-49
Catalyst	--	--	--	98	--	--	--	--	--	--	98
Asphalt and Road Oil	--	--	--	68	--	-1	--	-5	--	13	59
Still Gas	--	--	--	345	--	--	--	--	--	--	345
Miscellaneous Products	--	--	--	53	--	0	--	1	--	2	50
Total	13,001	0	144	7,720	1,929	-1,327	515	14	7,152	8,802	6,015

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	28,069	388	--	--	11,330	-21,617	-1,039	-1,331	18,462	--	0	24,845
Hydrocarbon Gas Liquids	16,348	-191	-10	456	268	-15,520	--	858	464	13	17	7,886
Natural Gas Liquids	16,348	-191	-10	336	268	-15,520	--	852	464	13	-97	7,787
Ethane	4,849	--	--	--	--	-5,417	--	-126	--	0	-442	1,056
Propane	5,783	--	--	235	266	-5,131	--	394	--	3	757	2,673
Normal Butane	2,264	--	--	154	--	-1,944	--	539	87	3	-155	2,795
Isobutane	1,014	--	--	-53	--	-1,029	--	19	170	--	-257	451
Natural Gasoline	2,438	-191	-10	--	2	-2,000	--	26	207	6	0	812
Refinery Olefins	--	--	--	120	--	--	--	6	--	--	114	99
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	32	--	--	--	1	--	--	31	4
Normal Butylene	--	--	--	88	--	--	--	5	--	--	83	95
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-198	979	--	19	1,300	603	-477	2,513	97	570	9,702
Hydrogen/Biofuels/Other Hydrocarbons	--	--	979	--	8	489	323	-64	1,253	40	570	780
Hydrogen	--	--	--	--	--	--	215	--	215	--	0	--
Biofuels (including Fuel Ethanol)	--	--	979	--	8	489	108	-64	1,038	40	570	780
Fuel Ethanol	--	--	397	--	--	450	108	-19	947	27	0	381
Biofuels (excluding Fuel Ethanol) ⁶	--	--	582	--	8	39	--	-45	91	13	570	399
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-198	--	--	--	--	--	-282	27	57	0	3,201
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	11	811	280	-131	1,233	--	0	5,721
Reformulated	--	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	11	811	280	-131	1,233	--	0	5,721
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	-1	21,633	158	-204	-388	638	--	13	20,548	8,991
Finished Motor Gasoline	--	--	--	11,179	--	-355	-388	179	--	1	10,257	1,088
Reformulated	--	--	--	--	--	--	--	4	--	--	-4	--
Conventional	--	--	--	11,179	--	-355	-388	175	--	1	10,261	1,083
Finished Aviation Gasoline	--	--	--	7	--	--	--	0	--	--	7	10
Kerosene-Type Jet Fuel	--	--	--	1,131	21	792	--	-56	--	--	2,000	757
Kerosene	--	--	--	--	--	--	--	--	--	--	--	--
Distillate Fuel Oil	--	--	-1	6,376	62	132	--	552	--	--	6,018	4,045
15 ppm sulfur and under	--	--	-1	6,357	62	132	--	485	--	--	6,066	3,775
Greater than 15 to 500 ppm sulfur	--	--	--	-6	--	--	--	27	--	--	-33	203
Greater than 500 ppm sulfur	--	--	--	25	--	--	--	40	--	--	-15	67
Residual Fuel Oil	--	--	--	339	--	--	--	5	--	--	334	222
Less than 0.31 percent sulfur	--	--	--	171	--	--	--	5	--	NA	NA	20
0.31 to 1.00 percent sulfur	--	--	--	22	--	--	--	1	--	NA	NA	9
Greater than 1.00 percent sulfur	--	--	--	146	--	--	--	-1	--	NA	NA	193
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	--	10	-10	--
Waxes	--	--	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	--	706	--	-355	--	1	--	--	350	104
Marketable	--	--	--	489	--	-355	--	1	--	--	133	104
Catalyst	--	--	--	217	--	--	--	--	--	--	217	--
Asphalt and Road Oil	--	--	--	1,160	75	-418	--	-44	--	2	859	2,745
Still Gas	--	--	--	648	--	--	--	--	--	--	648	--
Miscellaneous Products	--	--	--	87	--	--	--	1	--	0	86	20
Total	44,417	0	969	22,089	11,775	-36,041	-824	-312	21,439	123	21,135	51,424

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	162,748	1,845	--	--	71,942	-127,272	-12,635	424	96,204	--	0	24,845
Hydrocarbon Gas Liquids	92,637	-1,070	-51	1,783	3,858	-85,132	--	1,766	3,057	48	7,154	7,886
Natural Gas Liquids	92,637	-1,070	-51	1,242	3,857	-85,132	--	1,745	3,057	48	6,633	7,787
Ethane	28,188	--	--	--	--	-28,339	--	20	--	1	-172	1,056
Propane	32,909	--	--	1,132	3,747	-29,035	--	276	--	9	8,468	2,673
Normal Butane	12,988	--	--	272	99	-11,786	--	1,384	1,016	3	-830	2,795
Isobutane	5,781	--	--	-162	--	-5,460	--	26	966	--	-833	451
Natural Gasoline	12,771	-1,070	-51	--	11	-10,512	--	39	1,075	35	0	812
Refinery Olefins	--	--	--	541	1	--	--	21	--	--	521	99
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	134	1	--	--	-6	--	--	141	4
Normal Butylene	--	--	--	407	--	--	--	27	--	--	380	95
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-775	5,101	--	552	7,471	1,907	-5	11,294	330	2,636	9,702
Hydrogen/Biofuels/Other Hydrocarbons	--	--	5,101	--	62	2,725	1,867	199	6,678	242	2,636	780
Hydrogen	--	--	--	--	--	--	1,155	--	1,155	--	0	--
Biofuels (including Fuel Ethanol)	--	--	5,101	--	62	2,725	712	199	5,523	242	2,636	780
Fuel Ethanol	--	--	2,094	--	--	2,590	712	39	5,164	193	0	381
Biofuels (excluding Fuel Ethanol) ⁶	--	--	3,007	--	62	135	--	161	359	49	2,636	399
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-775	--	--	--	--	--	206	-1,068	87	0	3,201
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	490	4,746	40	-410	5,684	2	0	5,721
Reformulated	--	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	490	4,746	40	-410	5,684	2	0	5,721
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	-4	113,092	1,066	312	-752	1,051	--	108	112,555	8,991
Finished Motor Gasoline	--	--	--	59,240	--	-1,308	-752	-198	--	5	57,373	1,088
Reformulated	--	--	--	--	--	--	--	5	--	--	-5	--
Conventional	--	--	--	59,240	--	-1,308	-752	-203	--	5	57,378	1,083
Finished Aviation Gasoline	--	--	--	29	1	--	--	1	--	--	29	10
Kerosene-Type Jet Fuel	--	--	--	5,515	236	4,895	--	2	--	--	10,644	757
Kerosene	--	--	--	--	--	--	--	-2	--	--	2	--
Distillate Fuel Oil	--	--	-4	32,935	349	908	--	351	--	0	33,836	4,045
15 ppm sulfur and under	--	--	-4	32,753	349	908	--	277	--	0	33,728	3,775
Greater than 15 to 500 ppm sulfur	--	--	--	178	--	--	--	55	--	--	123	203
Greater than 500 ppm sulfur	--	--	--	4	--	--	--	19	--	--	-15	67
Residual Fuel Oil	--	--	--	1,909	15	--	--	12	--	--	1,912	222
Less than 0.31 percent sulfur	--	--	--	956	11	--	--	-6	--	NA	NA	20
0.31 to 1.00 percent sulfur	--	--	--	127	4	--	--	5	--	NA	NA	9
Greater than 1.00 percent sulfur	--	--	--	826	--	--	--	13	--	NA	NA	193
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	1	--	--	--	--	--	1	--
Lubricants	--	--	--	--	--	--	--	--	--	91	-91	--
Waxes	--	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	--	4,101	--	-2,159	--	7	--	0	1,935	104
Marketable	--	--	--	2,896	--	-2,159	--	7	--	0	730	104
Catalyst	--	--	--	1,205	--	--	--	--	--	--	1,205	--
Asphalt and Road Oil	--	--	--	5,084	464	-2,024	--	874	--	9	2,641	2,745
Still Gas	--	--	--	3,704	--	--	--	--	--	--	3,704	--
Miscellaneous Products	--	--	--	575	--	--	--	4	--	0	571	20
Total	255,385	0	5,045	114,875	77,418	-204,620	-11,480	3,237	110,555	487	122,345	51,424

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	936	13	--	--	378	-721	-35	-44	615	--	0
Hydrocarbon Gas Liquids	545	-6	0	15	9	-517	--	29	15	0	1
Natural Gas Liquids	545	-6	0	11	9	-517	--	28	15	0	-3
Ethane	162	--	--	--	--	-181	--	-4	--	0	-15
Propane	193	--	--	8	9	-171	--	13	--	0	25
Normal Butane	75	--	--	5	--	-65	--	18	3	0	-5
Isobutane	34	--	--	-2	--	-34	--	1	6	--	-9
Natural Gasoline	81	-6	0	--	0	-67	--	1	7	0	0
Refinery Olefins	--	--	--	4	--	--	--	0	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	--	3	--	--	--	0	--	--	3
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-7	33	--	1	43	20	-16	84	3	19
Hydrogen/Biofuels/Other Hydrocarbons	--	--	33	--	0	16	11	-2	42	1	19
Hydrogen	--	--	--	--	--	--	7	--	7	--	0
Biofuels (including Fuel Ethanol)	--	--	33	--	0	16	4	-2	35	1	19
Fuel Ethanol	--	--	13	--	--	15	4	-1	32	1	0
Biofuels (excluding Fuel Ethanol) ⁶	--	--	19	--	0	1	--	-1	3	0	19
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-7	--	--	--	--	--	-9	1	2	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	0	27	9	-4	41	--	0
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	0	27	9	-4	41	--	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	721	5	-7	-13	21	--	0	685
Finished Motor Gasoline	--	--	--	373	--	-12	-13	6	--	0	342
Reformulated	--	--	--	--	--	--	--	0	--	--	0
Conventional	--	--	--	373	--	-12	-13	6	--	0	342
Finished Aviation Gasoline	--	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	--	38	1	26	--	-2	--	--	67
Kerosene	--	--	--	--	--	--	--	--	--	--	--
Distillate Fuel Oil	--	--	0	213	2	4	--	18	--	--	201
15 ppm sulfur and under	--	--	0	212	2	4	--	16	--	--	202
Greater than 15 to 500 ppm sulfur	--	--	--	0	--	--	--	1	--	--	-1
Greater than 500 ppm sulfur	--	--	--	1	--	--	--	1	--	--	-1
Residual Fuel Oil	--	--	--	11	--	--	--	0	--	--	11
Less than 0.31 percent sulfur	--	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	--	24	--	-12	--	0	--	--	12
Marketable	--	--	--	16	--	-12	--	0	--	--	4
Catalyst	--	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	--	39	3	-14	--	-1	--	0	29
Still Gas	--	--	--	22	--	--	--	--	--	--	22
Miscellaneous Products	--	--	--	3	--	--	--	0	--	0	3
Total	1,481	0	32	736	393	-1,201	-27	-10	715	4	705

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	899	10	--	--	397	-703	-70	2	532	--	0
Hydrocarbon Gas Liquids	512	-6	0	10	21	-470	--	10	17	0	40
Natural Gas Liquids	512	-6	0	7	21	-470	--	10	17	0	37
Ethane	156	--	--	--	--	-157	--	0	--	0	-1
Propane	182	--	--	6	21	-160	--	2	--	0	47
Normal Butane	72	--	--	2	1	-65	--	8	6	0	-5
Isobutane	32	--	--	-1	--	-30	--	0	5	--	-5
Natural Gasoline	71	-6	0	--	0	-58	--	0	6	0	0
Refinery Olefins	--	--	--	3	0	--	--	0	--	--	3
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1	0	--	--	0	--	--	1
Normal Butylene	--	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-4	28	--	3	41	11	0	62	2	15
Hydrogen/Biofuels/Other Hydrocarbons	--	--	28	--	0	15	10	1	37	1	15
Hydrogen	--	--	--	--	--	--	6	--	6	--	0
Biofuels (including Fuel Ethanol)	--	--	28	--	0	15	4	1	31	1	15
Fuel Ethanol	--	--	12	--	--	14	4	0	29	1	0
Biofuels (excluding Fuel Ethanol) ⁶	--	--	17	--	0	1	--	1	2	0	15
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-4	--	--	--	--	--	1	-6	0	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	3	26	0	-2	31	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	3	26	0	-2	31	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	0	625	6	2	-4	6	--	1	622
Finished Motor Gasoline	--	--	--	327	--	-7	-4	-1	--	0	317
Reformulated	--	--	--	--	--	--	--	0	--	--	0
Conventional	--	--	--	327	--	-7	-4	-1	--	0	317
Finished Aviation Gasoline	--	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	--	30	1	27	--	0	--	--	59
Kerosene	--	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	0	182	2	5	--	2	--	0	187
15 ppm sulfur and under	--	--	0	181	2	5	--	2	--	0	186
Greater than 15 to 500 ppm sulfur	--	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	--	11	0	--	--	0	--	--	11
Less than 0.31 percent sulfur	--	--	--	5	0	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	1	0	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	0	--	--	--	--	--	0
Lubricants	--	--	--	--	--	--	--	--	--	1	-1
Waxes	--	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	--	23	--	-12	--	0	--	0	11
Marketable	--	--	--	16	--	-12	--	0	--	0	4
Catalyst	--	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	--	28	3	-11	--	5	--	0	15
Still Gas	--	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	--	3	--	--	--	0	--	0	3
Total	1,411	0	28	635	428	-1,130	-63	18	611	3	676

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	22,350	857	--	--	41,161	3,932	584	-1,971	69,555	1,300	0	49,774
Hydrocarbon Gas Liquids	1,819	-1,455	-5	2,506	1,323	495	--	811	622	2,728	522	4,370
Natural Gas Liquids	1,819	-1,455	-5	2,241	1,323	495	--	721	622	2,728	347	4,234
Ethane	1	--	--	--	--	--	--	--	--	1	0	--
Propane	225	-22	--	1,026	684	301	--	405	--	1,189	621	1,675
Normal Butane	514	-398	--	1,080	576	125	--	297	16	1,535	49	2,038
Isobutane	176	-157	--	135	63	69	--	21	585	3	-323	486
Natural Gasoline	903	-878	-5	--	--	--	--	-2	21	1	0	35
Refinery Olefins	--	--	--	265	--	--	--	90	--	--	175	136
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	245	--	--	--	12	--	--	233	21
Normal Butylene	--	--	--	20	--	--	--	78	--	--	-58	115
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	599	1,781	--	3,594	10,067	-1,691	-373	11,544	459	2,720	51,646
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,781	--	903	5,696	1,252	-154	6,757	308	2,720	5,457
Hydrogen	--	--	--	--	--	--	1,292	--	1,292	--	0	--
Biofuels (including Fuel Ethanol)	--	--	1,781	--	903	5,696	-40	-154	5,465	308	2,720	5,457
Fuel Ethanol	--	--	180	--	--	4,592	-40	17	4,553	162	0	2,433
Biofuels (excluding Fuel Ethanol) ⁶	--	--	1,600	--	903	1,105	--	-171	912	147	2,720	3,024
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	2,036	--	--	133	2,482	20	0	19,218
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	655	4,371	-2,943	-352	2,305	130	0	26,972
Reformulated	--	--	0	--	--	1,789	167	438	1,518	0	0	13,623
Conventional	--	--	0	--	655	2,582	-3,110	-790	787	130	0	13,348
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	62	84,466	5,119	2,254	2,983	-1,097	--	9,234	86,746	31,447
Finished Motor Gasoline	--	--	54	44,520	411	87	2,983	-25	--	1,219	46,861	2,018
Reformulated	--	--	--	30,901	--	--	170	-1	--	--	31,072	15
Conventional	--	--	54	13,619	411	87	2,812	-24	--	1,219	15,789	2,003
Finished Aviation Gasoline	--	--	--	115	3	--	--	62	--	--	56	279
Kerosene-Type Jet Fuel	--	--	9	14,085	3,231	284	--	451	--	618	16,540	8,927
Kerosene	--	--	--	2	--	--	--	2	--	1	-1	9
Distillate Fuel Oil	--	--	-2	14,193	689	1,173	--	-403	--	3,700	12,756	11,546
15 ppm sulfur and under	--	--	-2	13,799	688	1,173	--	-182	--	3,372	12,469	10,673
Greater than 15 to 500 ppm sulfur	--	--	--	231	--	--	--	-153	--	2	382	254
Greater than 500 ppm sulfur	--	--	--	163	1	--	--	-68	--	327	-95	619
Residual Fuel Oil	--	--	--	1,995	686	--	--	-878	--	359	3,200	3,964
Less than 0.31 percent sulfur	--	--	--	47	305	--	--	92	--	NA	NA	994
0.31 to 1.00 percent sulfur	--	--	--	565	381	--	--	-280	--	NA	NA	544
Greater than 1.00 percent sulfur	--	--	--	1,383	--	--	--	-690	--	NA	NA	2,426
Petrochemical Feedstocks	--	--	--	21	28	--	--	--	--	314	-265	--
Naphtha for Petro. Feed. Use	--	--	--	--	28	--	--	--	--	--	28	--
Other Oils for Petro. Feed. Use	--	--	--	21	--	--	--	--	--	314	-293	--
Special Naphthas	--	--	--	9	8	--	--	-4	--	--	21	50
Lubricants	--	--	--	236	4	14	--	18	--	86	150	1,026
Waxes	--	--	--	--	25	--	--	--	--	5	20	--
Petroleum Coke	--	--	--	4,206	--	69	--	20	--	2,906	1,349	899
Marketable	--	--	--	3,259	--	69	--	20	--	2,906	402	899
Catalyst	--	--	--	947	--	--	--	--	--	--	947	--
Asphalt and Road Oil	--	--	--	872	34	627	--	-339	--	26	1,846	2,669
Still Gas	--	--	--	3,816	--	--	--	--	--	--	3,816	--
Miscellaneous Products	--	--	--	396	--	--	--	-1	--	1	396	61
Total	24,169	0	1,837	86,972	51,197	16,749	1,876	-2,630	81,721	13,721	89,989	137,238

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	136,231	11,079	--	--	221,793	20,105	4,762	1,772	389,845	2,353	0	49,774
Hydrocarbon Gas Liquids	12,130	-9,930	-20	9,775	9,374	5,675	--	514	4,389	11,092	11,009	4,370
Natural Gas Liquids	12,130	-9,930	-20	8,792	9,374	5,675	--	395	4,389	11,092	10,145	4,234
Ethane	6	--	--	--	--	--	--	--	--	1	5	--
Propane	1,356	-147	--	5,335	5,939	2,779	--	195	--	5,973	9,095	1,675
Normal Butane	3,392	-2,776	--	2,812	3,361	2,262	--	5	1,080	5,033	2,934	2,038
Isobutane	1,237	-1,091	--	645	74	634	--	182	3,194	11	-1,888	486
Natural Gasoline	6,139	-5,916	-20	--	--	--	--	13	115	75	0	35
Refinery Olefins	--	--	--	983	--	--	--	119	--	--	864	136
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1,088	--	--	--	7	--	--	1,081	21
Normal Butylene	--	--	--	-105	--	--	--	112	--	--	-217	115
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	-1,150	7,748	--	23,431	56,906	-1,929	-2,896	72,266	3,566	12,070	51,646
Hydrogen/Biofuels/Other Hydrocarbons	--	--	7,749	--	4,830	31,366	8,493	-258	39,038	1,588	12,070	5,457
Hydrogen	--	--	--	--	--	--	7,600	--	7,600	--	0	--
Biofuels (including Fuel Ethanol)	--	--	7,749	--	4,830	31,366	893	-258	31,438	1,588	12,070	5,457
Fuel Ethanol	--	--	603	--	--	26,135	893	-135	26,646	1,120	0	2,433
Biofuels (excluding Fuel Ethanol) ⁶	--	--	7,146	--	4,830	5,231	--	-123	4,792	468	12,070	3,024
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	10,001	-155	--	742	6,996	958	0	19,218
Motor Gasoline Blend.Comp. (MGBC)	--	--	-1	--	8,600	25,695	-10,422	-3,380	26,232	1,020	0	26,972
Reformulated	--	--	0	--	777	9,652	1,107	-1,730	13,262	4	0	13,623
Conventional	--	--	-1	--	7,823	16,043	-11,529	-1,650	12,970	1,016	0	13,348
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	334	485,379	27,638	11,022	9,529	-3,187	--	53,395	483,694	31,447
Finished Motor Gasoline	--	--	309	260,813	4,049	510	9,529	-184	--	5,611	269,782	2,018
Reformulated	--	--	--	181,711	--	--	-163	0	--	--	181,548	15
Conventional	--	--	309	79,102	4,049	510	9,692	-184	--	5,611	88,234	2,003
Finished Aviation Gasoline	--	--	--	123	10	--	--	-58	--	--	191	279
Kerosene-Type Jet Fuel	--	--	36	75,954	16,779	1,169	--	-3	--	4,060	89,881	8,927
Kerosene	--	--	--	8	--	--	--	6	--	2	0	9
Distillate Fuel Oil	--	--	-10	82,635	2,919	6,369	--	-1,753	--	17,904	75,762	11,546
15 ppm sulfur and under	--	--	-10	78,392	2,917	6,369	--	-1,702	--	15,438	73,931	10,673
Greater than 15 to 500 ppm sulfur	--	--	--	1,893	--	--	--	22	--	597	1,274	254
Greater than 500 ppm sulfur	--	--	--	2,350	2	--	--	-73	--	1,868	557	619
Residual Fuel Oil	--	--	--	12,642	2,859	--	--	-1,126	--	3,664	12,963	3,964
Less than 0.31 percent sulfur	--	--	--	288	858	--	--	293	--	NA	NA	994
0.31 to 1.00 percent sulfur	--	--	--	3,856	1,964	--	--	-310	--	NA	NA	544
Greater than 1.00 percent sulfur	--	--	--	8,498	37	--	--	-1,109	--	NA	NA	2,426
Petrochemical Feedstocks	--	--	--	363	151	--	--	--	--	364	150	--
Naphtha for Petro. Feed. Use	--	--	--	--	151	--	--	--	--	--	151	--
Other Oils for Petro. Feed. Use	--	--	--	363	--	--	--	--	--	364	-1	--
Special Naphthas	--	--	--	152	131	--	--	18	--	--	265	50
Lubricants	--	--	--	2,126	150	-50	--	-1	--	1,315	912	1,026
Waxes	--	--	--	--	70	--	--	--	--	27	43	--
Petroleum Coke	--	--	--	22,753	--	288	--	-365	--	20,290	3,116	899
Marketable	--	--	--	17,641	--	288	--	-365	--	20,290	-1,996	899
Catalyst	--	--	--	5,112	--	--	--	--	--	--	5,112	--
Asphalt and Road Oil	--	--	--	4,585	520	2,736	--	296	--	156	7,388	2,669
Still Gas	--	--	--	20,921	--	--	--	--	--	--	20,921	--
Miscellaneous Products	--	--	--	2,304	--	--	--	-17	--	1	2,320	61
Total	148,361	0	8,062	495,154	282,236	93,708	12,362	-3,796	466,500	70,407	506,773	137,238

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	745	29	--	--	1,372	131	19	-66	2,319	43	0
Hydrocarbon Gas Liquids	61	-49	0	84	44	17	--	27	21	91	17
Natural Gas Liquids	61	-49	0	75	44	17	--	24	21	91	12
Ethane	0	--	--	--	--	--	--	--	--	0	0
Propane	8	-1	--	34	23	10	--	14	--	40	21
Normal Butane	17	-13	--	36	19	4	--	10	1	51	2
Isobutane	6	-5	--	5	2	2	--	1	20	0	-11
Natural Gasoline	30	-29	0	--	--	--	--	0	1	0	0
Refinery Olefins	--	--	--	9	--	--	--	3	--	--	6
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	8	--	--	--	0	--	--	8
Normal Butylene	--	--	--	1	--	--	--	3	--	--	-2
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	20	59	--	120	336	-56	-12	385	15	91
Hydrogen/Biofuels/Other Hydrocarbons	--	--	59	--	30	190	42	-5	225	10	91
Hydrogen	--	--	--	--	--	--	43	--	43	--	0
Biofuels (including Fuel Ethanol)	--	--	59	--	30	190	-1	-5	182	10	91
Fuel Ethanol	--	--	6	--	--	153	-1	1	152	5	0
Biofuels (excluding Fuel Ethanol) ⁶	--	--	53	--	30	37	--	-6	30	5	91
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	68	--	--	4	83	1	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	22	146	-98	-12	77	4	0
Reformulated	--	--	0	--	--	60	6	15	51	0	0
Conventional	--	--	0	--	22	86	-104	-26	26	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2	2,816	171	75	99	-37	--	308	2,892
Finished Motor Gasoline	--	--	2	1,484	14	3	99	-1	--	41	1,562
Reformulated	--	--	--	1,030	--	--	6	0	--	--	1,036
Conventional	--	--	2	454	14	3	94	-1	--	41	526
Finished Aviation Gasoline	--	--	--	4	0	--	--	2	--	--	2
Kerosene-Type Jet Fuel	--	--	0	470	108	9	--	15	--	21	551
Kerosene	--	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	0	473	23	39	--	-13	--	123	425
15 ppm sulfur and under	--	--	0	460	23	39	--	-6	--	112	416
Greater than 15 to 500 ppm sulfur	--	--	--	8	--	--	--	-5	--	0	13
Greater than 500 ppm sulfur	--	--	--	5	0	--	--	-2	--	11	-3
Residual Fuel Oil	--	--	--	67	23	--	--	-29	--	12	107
Less than 0.31 percent sulfur	--	--	--	2	10	--	--	3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	19	13	--	--	-9	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	46	--	--	--	-23	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	1	--	--	--	--	10	-9
Naphtha for Petro. Feed. Use	--	--	--	--	1	--	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	10	-10
Special Naphthas	--	--	--	0	0	--	--	0	--	--	1
Lubricants	--	--	--	8	0	0	--	1	--	3	5
Waxes	--	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	--	140	--	2	--	1	--	97	45
Marketable	--	--	--	109	--	2	--	1	--	97	13
Catalyst	--	--	--	32	--	--	--	--	--	--	32
Asphalt and Road Oil	--	--	--	29	1	21	--	-11	--	1	62
Still Gas	--	--	--	127	--	--	--	--	--	--	127
Miscellaneous Products	--	--	--	13	--	--	--	0	--	0	13
Total	806	0	61	2,899	1,707	558	63	-88	2,724	457	3,000

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	753	61	--	--	1,225	111	26	10	2,154	13	0
Hydrocarbon Gas Liquids	67	-55	0	54	52	31	--	3	24	61	61
Natural Gas Liquids	67	-55	0	49	52	31	--	2	24	61	56
Ethane	0	--	--	--	--	--	--	--	--	0	0
Propane	7	-1	--	29	33	15	--	1	--	33	50
Normal Butane	19	-15	--	16	19	12	--	0	6	28	16
Isobutane	7	-6	--	4	0	4	--	1	18	0	-10
Natural Gasoline	34	-33	0	--	--	--	--	0	1	0	0
Refinery Olefins	--	--	--	5	--	--	--	1	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	6	--	--	--	0	--	--	6
Normal Butylene	--	--	--	-1	--	--	--	1	--	--	-1
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	-6	43	--	129	314	-11	-16	399	20	67
Hydrogen/Biofuels/Other Hydrocarbons	--	--	43	--	27	173	47	-1	216	9	67
Hydrogen	--	--	--	--	--	--	42	--	42	--	0
Biofuels (including Fuel Ethanol)	--	--	43	--	27	173	5	-1	174	9	67
Fuel Ethanol	--	--	3	--	--	144	5	-1	147	6	0
Biofuels (excluding Fuel Ethanol) ⁶	--	--	39	--	27	29	--	-1	26	3	67
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	55	-1	--	4	39	5	0
Motor Gasoline Blend Comp. (MGBC)	--	--	0	--	48	142	-58	-19	145	6	0
Reformulated	--	--	0	--	4	53	6	-10	73	0	0
Conventional	--	--	0	--	43	89	-64	-9	72	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2	2,682	153	61	53	-18	--	295	2,672
Finished Motor Gasoline	--	--	2	1,441	22	3	53	-1	--	31	1,491
Reformulated	--	--	--	1,004	--	--	-1	0	--	--	1,003
Conventional	--	--	2	437	22	3	54	-1	--	31	487
Finished Aviation Gasoline	--	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	0	420	93	6	--	0	--	22	497
Kerosene	--	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	0	457	16	35	--	-10	--	99	419
15 ppm sulfur and under	--	--	0	433	16	35	--	-9	--	85	408
Greater than 15 to 500 ppm sulfur	--	--	--	10	--	--	--	0	--	3	7
Greater than 500 ppm sulfur	--	--	--	13	0	--	--	0	--	10	3
Residual Fuel Oil	--	--	--	70	16	--	--	-6	--	20	72
Less than 0.31 percent sulfur	--	--	--	2	5	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	21	11	--	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	47	0	--	--	-6	--	NA	NA
Petrochemical Feedstocks	--	--	--	2	1	--	--	--	--	2	1
Naphtha for Petro. Feed. Use	--	--	--	--	1	--	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	2	--	--	--	--	--	2	0
Special Naphthas	--	--	--	1	1	--	--	0	--	--	1
Lubricants	--	--	--	12	1	0	--	0	--	7	5
Waxes	--	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	--	126	--	2	--	-2	--	112	17
Marketable	--	--	--	97	--	2	--	-2	--	112	-11
Catalyst	--	--	--	28	--	--	--	--	--	--	28
Asphalt and Road Oil	--	--	--	25	3	15	--	2	--	1	41
Still Gas	--	--	--	116	--	--	--	--	--	--	116
Miscellaneous Products	--	--	--	13	--	--	--	0	--	0	13
Total	820	0	45	2,736	1,559	518	68	-21	2,577	389	2,800

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethane, biogas, biogas, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, June 2023
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	2,162	54,172	278,560	28,069	22,350	385,314	12,844
Alaskan	--	--	--	--	--	12,696	423
Lower 48 States	--	--	--	--	--	372,618	12,421
Transfers to Crude Oil Supply	2,575	3,850	11,358	388	857	19,028	634
Imports (PAD District of Entry)	16,165	84,500	41,658	11,330	41,161	194,814	6,494
Commercial	16,165	84,500	41,658	11,330	41,161	194,814	6,494
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	2,225	-16,324	31,784	-21,617	3,932	--	--
Adjustments ¹	-4,272	-2,334	1,066	-1,039	584	-5,995	-200
Disposition							
Stock Change ²	-407	1,070	-10,655	-1,331	-1,971	-13,294	-443
Commercial	-407	1,070	-3,447	-1,331	-1,971	-6,086	-203
SPR	--	--	-7,208	--	--	-7,208	-240
Refinery Inputs	19,262	120,442	264,115	18,462	69,555	491,836	16,395
Exports	--	2,352	110,966	--	1,300	114,618	3,821
Ending Stocks							
Total	7,493	126,290	593,490	24,845	49,774	801,892	--
Commercial	7,493	126,290	246,332	24,845	49,774	454,734	--
Refinery	5,920	13,048	46,254	2,729	22,853	90,804	--
Tank Farms and Pipelines	1,573	113,242	200,078	22,116	23,030	360,039	--
Cushing, Oklahoma	--	43,369	--	--	--	43,369	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	3,891	3,891	--
SPR	--	--	347,158	--	--	347,158	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	43.3	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	21.5	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	--	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	16,165	84,500	41,658	11,330	41,161	194,814	6,494
PAD District of Processing	16,222	80,945	48,823	7,246	41,578	194,814	6,494

-- = Not Applicable.

-- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, June 2023
(Thousand Barrels)

PAD District and State	June 2023		January-June 2023	
	Total	Daily Average	Total	Daily Average
PAD District 1	2,162	72	12,756	70
Florida	91	3	446	2
New York	22	1	132	1
Pennsylvania	388	13	2,399	13
Virginia	0	0	2	0
West Virginia	1,661	55	9,777	54
PAD District 2	54,172	1,806	317,171	1,752
Illinois	570	19	3,446	19
Indiana	135	4	767	4
Kansas	2,258	75	13,796	76
Kentucky	308	10	943	5
Michigan	369	12	2,228	12
Missouri	5	0	33	0
Nebraska	138	5	776	4
North Dakota	34,656	1,155	200,575	1,108
Ohio	2,442	81	15,256	84
Oklahoma	13,199	440	78,821	435
South Dakota	82	3	471	3
Tennessee	10	0	59	0
PAD District 3	278,560	9,285	1,664,045	9,194
Alabama	288	10	1,770	10
Arkansas	365	12	2,161	12
Louisiana	2,830	94	17,530	97
Mississippi	1,028	34	6,216	34
New Mexico	52,920	1,764	328,023	1,812
Texas	165,526	5,518	979,537	5,412
Federal Offshore PAD District 3	55,604	1,853	328,808	1,817
PAD District 4	28,069	936	162,748	899
Colorado	13,848	462	79,938	442
Idaho	2	0	16	0
Montana	1,845	61	11,665	64
Utah	4,425	147	25,118	139
Wyoming	7,950	265	46,012	254
PAD District 5	22,350	745	136,231	753
Alaska	12,696	423	78,952	436
South Alaska	248	8	1,558	9
North Slope	12,448	415	77,393	428
Arizona	0	0	3	0
California	9,339	311	55,924	309
Nevada	18	1	109	1
Federal Offshore PAD District 5	297	10	1,243	7
U.S. Total	385,314	12,844	2,292,952	12,668

— = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	8	21,838	21,846	5,963	13,043	16,108	35,114
Natural Gas Liquids	8	21,838	21,846	5,963	13,043	16,108	35,114
Ethane	—	9,550	9,550	2,388	3,319	6,280	11,987
Propane	3	7,023	7,026	2,251	4,930	5,231	12,412
Normal Butane	5	2,173	2,178	432	2,133	1,890	4,455
Isobutane	—	919	919	518	669	805	1,992
Natural Gasoline	—	2,173	2,173	374	1,992	1,902	4,268

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	93,033	5,307	9,754	333	12,246	120,673	16,348	1,819	195,800
Natural Gas Liquids	93,033	5,307	9,754	333	12,246	120,673	16,348	1,819	195,800
Ethane	40,350	2,696	3,681	60	5,203	51,990	4,849	1	78,377
Propane	27,715	1,373	3,379	103	3,593	36,163	5,783	225	61,609
Normal Butane	10,156	-3,095	1,240	44	1,323	9,668	2,264	514	19,079
Isobutane	4,358	3,889	676	38	626	9,587	1,014	176	13,688
Natural Gasoline	10,454	444	778	88	1,501	13,265	2,438	903	23,047

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	3	256	259	1,202	116	580	1,898
Natural Gas Liquids	3	256	259	1,202	116	580	1,898
Ethane	—	—	—	33	1	154	188
Propane	1	141	142	673	41	213	927
Normal Butane	2	46	48	218	25	91	334
Isobutane	—	16	16	91	7	41	139
Natural Gasoline	—	53	53	187	42	81	310

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	178	234	1,309	7	1	1,729	183	357	4,426
Natural Gas Liquids	178	234	1,309	7	1	1,729	183	357	4,426
Ethane	1	21	—	1	—	23	4	—	215
Propane	99	46	54	2	—	201	79	110	1,459
Normal Butane	6	29	882	2	—	919	41	168	1,510
Isobutane	35	14	266	—	—	315	18	49	537
Natural Gasoline	37	124	107	2	1	271	41	30	705

— = No Data Reported.
 Note: Refer to Appendix A for Refining District descriptions.
 Data source: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	16,298	2,964	19,262	78,554	15,787	26,101	120,442
Hydrocarbon Gas Liquids	551	—	551	1,761	78	907	2,746
Natural Gas Liquids	551	—	551	1,761	78	907	2,746
Normal Butane	26	—	26	18	9	16	43
Isobutane	132	—	132	1,352	69	448	1,869
Natural Gasoline	393	—	393	391	—	443	834
Other Liquids	83,984	6,012	89,996	9,250	3,738	4,034	17,022
Hydrogen/Biofuels/Other Hydrocarbons	9,620	815	10,435	5,654	1,642	2,050	9,346
Hydrogen	77	2	79	673	215	192	1,080
Biofuels (including Fuel Ethanol)	9,543	813	10,356	4,960	1,427	1,858	8,245
Fuel Ethanol	9,285	701	9,986	4,787	1,183	1,687	7,657
Biodiesel	254	112	366	173	244	94	511
Renewable Diesel Fuel	4	—	4	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	77	77
Other Hydrocarbons	—	—	—	21	—	—	21
Unfinished Oils (net)	2,163	-95	2,068	-77	-317	540	146
Naphthas and Lighter	777	-54	723	145	-81	4	68
Kerosene and Light Gas Oils	303	—	303	183	-127	367	423
Heavy Gas Oils	-303	-36	-339	-199	-109	166	-142
Residuum	1,386	-5	1,381	-206	—	3	-203
Motor Gasoline Blend.Comp. (MGBC)(net)	72,201	5,292	77,493	3,673	2,413	1,444	7,530
Reformulated - RBOB	16,252	—	16,252	-132	1,316	872	2,056
Conventional	55,949	5,292	61,241	3,805	1,097	572	5,474
CBOB	42,204	5,317	47,521	4,046	1,190	335	5,571
GTAB	4,323	—	4,323	—	—	—	—
Other	9,422	-25	9,397	-241	-93	237	-97
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	100,833	8,976	109,809	89,565	19,603	31,042	140,210

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	17,481	148,091	89,737	6,480	2,326	264,115	18,462	69,555	491,836
Hydrocarbon Gas Liquids	581	6,906	3,037	29	97	10,650	464	622	15,033
Natural Gas Liquids	581	6,906	3,037	29	97	10,650	464	622	15,033
Normal Butane	352	785	586	2	—	1,725	87	16	1,897
Isobutane	195	2,458	1,499	24	97	4,273	170	585	7,029
Natural Gasoline	34	3,663	952	3	—	4,652	207	21	6,107
Other Liquids	11,848	-46,374	-27,636	7,645	75	-54,442	2,513	11,544	66,633
Hydrogen/Biofuels/Other Hydrocarbons	2,170	3,481	2,021	1,098	196	8,966	1,253	6,757	36,757
Hydrogen	61	2,485	1,483	63	19	4,111	215	1,292	6,777
Biofuels (including Fuel Ethanol)	2,109	996	538	1,035	177	4,855	1,038	5,465	29,959
Fuel Ethanol	2,030	933	494	1,009	149	4,615	947	4,553	27,758
Biodiesel	79	59	31	26	14	209	44	337	1,467
Renewable Diesel Fuel	—	—	—	—	—	—	—	563	567
Other Biofuels ¹	—	4	13	—	14	31	47	12	167
Other Hydrocarbons	—	—	—	—	—	—	—	—	21
Unfinished Oils (net)	562	-5,237	6,585	-160	-298	1,452	27	2,482	6,175
Naphthas and Lighter	449	-8,551	464	-95	-134	-7,867	-46	509	-6,613
Kerosene and Light Gas Oils	24	-1,629	-751	-58	-148	-2,562	129	-740	-2,447
Heavy Gas Oils	88	896	5,589	-32	-16	6,525	-34	2,362	8,372
Residuum	1	4,047	1,283	25	—	5,356	-22	351	6,863
Motor Gasoline Blend.Comp. (MGBC)(net)	9,105	-44,618	-36,247	6,707	177	-64,876	1,233	2,305	23,685
Reformulated - RBOB	6,119	-10,589	-7,276	7	-360	-12,099	—	1,518	7,727
Conventional	2,986	-34,029	-28,971	6,700	537	-52,777	1,233	787	15,958
CBOB	2,764	-28,872	-28,752	6,745	477	-47,638	974	-62	6,366
GTAB	—	—	—	—	—	—	—	—	4,323
Other	222	-5,157	-219	-45	60	-5,139	259	849	5,269
Aviation Gasoline Blend. Comp. (net)	11	—	5	—	—	16	—	—	16
Total Input	29,910	108,623	65,138	14,154	2,498	220,323	21,439	81,721	573,502

— = Not Applicable.

— = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	790	81	871	4,837	552	856	6,245
Natural Gas Liquids	650	81	731	3,886	411	595	4,892
Ethane	—	—	—	—	—	—	—
Propane	311	23	334	1,445	255	486	2,186
Normal Butane	312	78	390	2,661	231	148	3,040
Isobutane	27	-20	7	-220	-75	-39	-334
Natural Gasoline	—	—	—	—	—	—	—
Refinery Olefins	140	—	140	951	141	261	1,353
Ethylene	10	—	10	—	—	—	—
Propylene	132	—	132	777	141	262	1,180
Normal Butylene	-2	—	-2	174	—	-1	173
Isobutylene	—	—	—	—	—	—	—
Finished Motor Gasoline	90,478	6,986	97,464	49,436	11,203	17,191	77,830
Reformulated	35,773	67	35,840	7,831	1,465	969	10,265
Reformulated Blended with Fuel Ethanol	35,769	67	35,836	7,831	1,464	969	10,264
Reformulated Other	4	—	4	—	1	—	1
Conventional	54,705	6,919	61,624	41,605	9,738	16,222	67,565
Conventional Blended with Fuel Ethanol	55,801	6,937	62,738	39,254	9,806	14,754	63,814
Ed55 and Lower	55,725	6,937	62,662	39,224	9,749	14,603	63,576
Greater than Ed55	76	—	76	30	57	151	238
Conventional Other	-1,096	-18	-1,114	2,351	-68	1,468	3,751
Finished Aviation Gasoline	—	—	—	—	35	—	35
Kerosene-Type Jet Fuel	2,355	—	2,355	6,805	889	955	8,649
Kerosene	146	—	146	-3	—	-24	-27
Distillate Fuel Oil	5,098	855	5,953	21,130	4,575	10,516	36,221
15 ppm sulfur and under	5,250	838	6,088	20,996	4,478	10,602	36,076
Greater than 15 ppm to 500 ppm sulfur	16	—	16	—	—	-1	-1
Greater than 500 ppm sulfur	-168	17	-151	134	97	-85	146
Residual Fuel Oil	766	4	770	741	224	149	1,114
Less than 0.31 percent sulfur	-5	3	-2	64	—	—	64
0.31 to 1.00 percent sulfur	523	1	524	293	137	40	470
Greater than 1.00 percent sulfur	248	—	248	384	87	109	580
Petrochemical Feedstocks	—	—	—	894	—	—	894
Naphtha for Petro. Feed. Use	—	—	—	520	—	—	520
Other Oils for Petro. Feed. Use	—	—	—	374	—	—	374
Special Naphthas	—	9	9	-47	—	14	-33
Lubricants	170	200	370	—	—	176	176
Waxes	—	18	18	—	—	43	43
Petroleum Coke	432	18	450	3,748	924	868	5,540
Marketable	220	—	220	2,749	757	627	4,133
Catalyst	212	18	230	999	167	241	1,407
Asphalt and Road Oil	498	674	1,172	3,547	1,773	467	5,787
Still Gas	877	60	937	2,906	594	1,037	4,537
Miscellaneous Products	45	25	70	296	109	50	455
Total	101,655	8,930	110,585	94,290	20,878	32,298	147,466
Processing Gain(-) or Loss(+) ¹	-822	46	-776	-4,725	-1,275	-1,256	-7,256

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	1,010	8,881	5,296	61	42	15,290	456	2,506	25,368
Natural Gas Liquids	677	5,729	3,122	40	42	9,610	336	2,241	17,810
Ethane	4	107	23	—	—	134	—	—	134
Propane	276	2,397	2,026	6	20	4,725	235	1,026	8,506
Normal Butane	382	3,589	946	34	22	4,973	154	1,080	9,637
Isobutane	15	-364	127	—	—	-222	-53	135	-467
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	333	3,152	2,174	21	—	5,680	120	265	7,558
Ethylene	—	3	—	—	—	3	—	—	13
Propylene	335	3,369	2,243	21	—	5,968	32	245	7,557
Normal Butylene	-2	-220	-69	—	—	-291	88	20	-12
Isobutylene	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	20,893	25,119	10,325	9,500	1,488	67,325	11,179	44,520	298,318
Reformulated	7,392	7,108	—	—	—	14,500	—	30,901	91,506
Reformulated Blended with Fuel Ethanol	7,388	7,106	—	—	—	14,494	—	30,901	91,495
Reformulated Other	4	2	—	—	—	6	—	—	11
Conventional	13,501	18,011	10,325	9,500	1,488	52,825	11,179	13,619	206,812
Conventional Blended with Fuel Ethanol	13,133	2,044	4,926	9,953	1,469	31,525	9,250	14,129	181,456
Ed55 and Lower	13,125	2,043	4,926	9,933	1,468	31,495	9,228	14,116	181,077
Greater than Ed55	8	1	—	20	1	30	22	13	379
Conventional Other	368	15,967	5,399	-453	19	21,300	1,929	-510	25,356
Finished Aviation Gasoline	46	1	144	—	—	191	7	115	348
Kerosene-Type Jet Fuel	1,495	15,837	9,742	99	0	27,173	1,131	14,085	53,393
Kerosene	-16	194	1	1	—	180	—	2	301
Distillate Fuel Oil	5,191	46,357	32,453	2,360	786	87,147	6,376	14,193	149,890
15 ppm sulfur and under	5,143	45,257	29,921	2,223	786	83,330	6,357	13,799	145,650
Greater than 15 ppm to 500 ppm sulfur	48	267	1,898	57	—	2,270	-6	231	2,510
Greater than 500 ppm sulfur	—	833	634	80	—	1,547	25	163	1,730
Residual Fuel Oil	304	1,426	834	22	92	2,678	339	1,995	6,896
Less than 0.31 percent sulfur	223	—	81	—	—	304	171	47	584
0.31 to 1.00 percent sulfur	-5	606	231	22	—	854	22	565	2,435
Greater than 1.00 percent sulfur	86	820	522	—	92	1,520	146	1,383	3,877
Petrochemical Feedstocks	125	2,498	2,964	—	50	5,637	—	21	6,552
Naphtha for Petro. Feed. Use	114	1,426	1,342	—	—	2,882	—	—	3,402
Other Oils for Petro. Feed. Use	11	1,072	1,622	—	50	2,755	—	21	3,150
Special Naphthas	45	512	—	32	—	589	—	9	574
Lubricants	7	1,696	1,015	694	—	3,412	—	236	4,194
Waxes	—	44	56	23	—	123	—	—	184
Petroleum Coke	291	8,348	5,351	183	21	14,194	706	4,206	25,096
Marketable	86	6,573	4,311	170	—	11,140	489	3,259	19,241
Catalyst	205	1,775	1,040	13	21	3,054	217	947	5,855
Asphalt and Road Oil	237	381	450	834	-2	1,900	1,160	872	10,891
Still Gas	716	6,207	3,714	299	64	11,000	648	3,816	20,938
Miscellaneous Products	120	1,064	480	18	7	1,689	87	396	2,697
Total	30,464	118,565	72,825	14,126	2,548	238,528	22,089	86,972	605,640
Processing Gain(-) or Loss(+) ¹	-554	-9,942	-7,687	28	-50	-18,205	-650	-5,251	-32,138

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	16,298	2,964	19,262	78,554	15,787	26,101	120,442
Hydrocarbon Gas Liquids	132	—	132	1,751	69	844	2,664
Natural Gas Liquids	132	—	132	1,751	69	844	2,664
Normal Butane	—	—	—	11	—	1	12
Isobutane	132	—	132	1,352	69	448	1,869
Natural Gasoline	—	—	—	388	—	395	783
Other Liquids	-5,683	31	-5,652	-35,466	-5,357	-10,147	-50,970
Hydrogen/Biofuels/Other Hydrocarbons	142	141	283	928	490	443	1,861
Hydrogen	77	2	79	673	215	192	1,080
Biofuels (including Fuel Ethanol)	65	139	204	234	275	251	760
Fuel Ethanol	65	105	170	191	196	147	534
Biodiesel	—	34	34	43	79	27	149
Renewable Diesel Fuel	—	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	77	77
Other Hydrocarbons	—	—	—	21	—	—	21
Unfinished Oils (net)	2,163	-95	2,068	-77	-317	533	139
Naphthas and Lighter	777	-54	723	145	-81	4	68
Kerosene and Light Gas Oils	303	—	303	183	-127	367	423
Heavy Gas Oils	-303	-36	-339	-199	-109	159	-149
Residuum	1,386	-5	1,381	-206	—	3	-203
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,988	-15	-8,003	-36,317	-5,530	-11,123	-52,970
Reformulated - RBOB	-5,343	—	-5,343	-7,107	—	—	-7,107
Conventional	-2,645	-15	-2,660	-29,210	-5,530	-11,123	-45,863
CBOB	-2,489	10	-2,479	-28,965	-5,331	-11,360	-45,656
GTAB	—	—	—	—	—	—	—
Other	-156	-25	-181	-245	-199	237	-207
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input to Refineries	10,747	2,995	13,742	44,839	10,499	16,798	72,136
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	610	99	709	2,617	549	868	4,034
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent) ²	78.2	100.7	80.7	95.9	99.9	93.5	95.9
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	126	16	142	490	75	166	730
Catalytic Cracking	165	15	180	762	143	214	1,119
Catalytic Hydrocracking	43	—	43	208	35	45	289
Delayed and Fluid Coking	34	—	34	318	66	72	456
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.67	1.71	0.84	1.54	1.91	0.57	1.38
API Gravity, Weighted Average (degrees)	36.95	32.18	36.19	34.06	27.56	39.21	34.24
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operating	780	98	878	2,587	549	928	4,064
Idle	—	—	—	142	—	—	142
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	17,481	148,091	89,737	6,480	2,326	264,115	18,462	69,555	491,836
Hydrocarbon Gas Liquids	578	4,013	3,018	26	97	7,732	440	617	11,585
Natural Gas Liquids	578	4,013	3,018	26	97	7,732	440	617	11,585
Normal Butane	352	675	567	—	—	1,594	80	11	1,697
Isobutane	195	2,458	1,499	24	97	4,273	169	585	7,028
Natural Gasoline	31	880	952	2	—	1,865	191	21	2,860
Other Liquids	-6,639	-55,489	-30,663	-1,293	-1,268	-95,352	-4,142	-30,768	-186,884
Hydrogen/Biofuels/Other Hydrocarbons	314	2,527	1,717	116	48	4,722	548	1,918	9,332
Hydrogen	61	2,485	1,483	63	19	4,111	215	1,292	6,777
Biofuels (including Fuel Ethanol)	253	42	234	53	29	611	333	626	2,534
Fuel Ethanol	201	49	190	52	6	498	252	137	1,591
Biodiesel	52	-11	31	1	9	82	34	12	311
Renewable Diesel Fuel	—	—	—	—	—	—	—	465	465
Other Biofuels ¹	—	4	13	—	14	31	47	12	167
Other Hydrocarbons	—	—	—	—	—	—	—	—	21
Unfinished Oils (net)	562	-5,237	6,585	-160	-298	1,452	27	2,482	6,168
Naphthas and Lighter	449	-8,551	464	-95	-134	-7,867	-46	509	-6,613
Kerosene and Light Gas Oils	24	-1,629	-751	-58	-148	-2,562	129	-740	-2,447
Heavy Gas Oils	88	896	5,589	-32	-16	6,525	-34	2,362	8,365
Residuum	1	4,047	1,283	25	—	5,356	-22	351	6,863
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,526	-52,779	-38,970	-1,249	-1,018	-101,542	-4,717	-35,168	-202,400
Reformulated - RBOB	-621	-17,085	-7,276	—	-360	-25,342	—	-25,693	-63,485
Conventional	-6,905	-35,694	-31,694	-1,249	-658	-76,200	-4,717	-9,475	-138,915
CBOB	-7,127	-28,118	-30,785	-1,204	-684	-67,918	-4,975	-10,138	-131,166
GTAB	—	—	—	—	—	—	—	—	—
Other	222	-7,576	-909	-45	26	-8,282	258	663	-7,749
Aviation Gasoline Blend. Comp. (net)	11	—	5	—	—	16	—	—	16
Total Input to Refineries	11,420	96,615	62,092	5,213	1,155	176,495	14,760	39,404	316,537
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	588	5,166	3,151	184	78	9,167	609	2,504	17,022
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operable Utilization Rate (percent) ²	79.0	94.4	94.6	70.7	70.5	92.4	93.7	95.6	93.2
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	159	752	592	35	14	1,552	96	432	2,951
Catalytic Cracking	149	1,359	883	13	22	2,427	176	666	4,567
Catalytic Hydrocracking	50	576	430	18	6	1,080	16	424	1,852
Delayed and Fluid Coking	15	833	515	32	—	1,393	58	401	2,342
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.56	1.46	1.32	1.68	1.04	1.33	1.62	1.25	1.32
API Gravity, Weighted Average (degrees)	40.39	34.19	30.64	30.97	37.82	33.53	31.38	29.20	33.10
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,270
Operating	744	5,472	3,330	260	110	9,917	605	2,620	18,083
Idle	—	—	—	—	—	—	46	—	187
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	15,756	15,756

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	790	81	871	4,837	552	856	6,245
Natural Gas Liquids	650	81	731	3,886	411	595	4,892
Ethane	-	-	-	-	-	-	-
Propane	311	23	334	1,445	255	486	2,186
Normal Butane	312	78	390	2,661	231	148	3,040
Isobutane	27	-20	7	-220	-75	-39	-334
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	140	-	140	951	141	261	1,353
Ethylene	10	-	10	-	-	-	-
Propylene	132	-	132	777	141	262	1,180
Normal Butylene	-2	-	-2	174	-	-1	173
Isobutylene	-	-	-	-	-	-	-
Finished Motor Gasoline	647	1,078	1,725	4,815	2,261	3,022	10,098
Reformulated	647	-	647	-	-	-	-
Reformulated Blended with Fuel Ethanol	647	-	647	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,078	1,078	4,815	2,261	3,022	10,098
Conventional Blended with Fuel Ethanol	-	1,051	1,051	1,952	1,881	1,509	5,342
Ed55 and Lower	-	1,051	1,051	1,952	1,881	1,509	5,342
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	27	27	2,863	380	1,513	4,756
Finished Aviation Gasoline	-	-	-	-	35	-	35
Kerosene-Type Jet Fuel	2,355	-	2,355	6,834	890	956	8,680
Kerosene	146	-	146	-3	-	-24	-27
Distillate Fuel Oil	4,844	782	5,626	20,996	4,410	10,454	35,860
15 ppm sulfur and under	5,004	765	5,769	20,862	4,313	10,539	35,714
Greater than 15 ppm to 500 ppm sulfur	-18	-	-18	-	-	-105	-105
Greater than 500 ppm sulfur	-142	17	-125	134	97	20	251
Residual Fuel Oil	767	4	771	741	224	149	1,114
Less than 0.31 percent sulfur	-	3	3	64	-	-	64
0.31 to 1.00 percent sulfur	523	1	524	293	137	40	470
Greater than 1.00 percent sulfur	244	-	244	384	87	109	580
Petrochemical Feedstocks	-	-	-	894	-	-	894
Naphtha for Petro. Feed. Use	-	-	-	520	-	-	520
Other Oils for Petro. Feed. Use	-	-	-	374	-	-	374
Special Naphthas	-	9	9	-47	-	14	-33
Lubricants	170	200	370	-	-	176	176
Waxes	-	18	18	-	-	43	43
Petroleum Coke	432	18	450	3,748	924	868	5,540
Marketable	220	-	220	2,749	757	627	4,133
Catalyst	212	18	230	999	167	241	1,407
Asphalt and Road Oil	498	674	1,172	3,547	1,772	456	5,775
Still Gas	877	60	937	2,906	594	1,037	4,537
Miscellaneous Products	45	25	70	296	109	50	455
Total	11,571	2,949	14,520	49,564	11,771	18,057	79,392
Processing Gain(-) or Loss(+) ¹	-824	46	-778	-4,725	-1,272	-1,259	-7,256

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	1,010	8,881	5,296	61	42	15,290	456	2,506	25,368
Natural Gas Liquids	677	5,729	3,122	40	42	9,610	336	2,241	17,810
Ethane	4	107	23	—	—	134	—	—	134
Propane	276	2,397	2,026	6	20	4,725	235	1,026	8,506
Normal Butane	382	3,589	946	34	22	4,973	154	1,080	9,637
Isobutane	15	-364	127	—	—	-222	-53	135	-467
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	333	3,152	2,174	21	—	5,680	120	265	7,558
Ethylene	—	3	—	—	—	3	—	—	13
Propylene	335	3,369	2,243	21	—	5,968	32	245	7,557
Normal Butylene	-2	-220	-69	—	—	-291	88	20	-12
Isobutylene	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	2,432	13,183	7,281	587	151	23,634	4,512	2,628	42,597
Reformulated	—	—	—	—	—	—	—	628	1,275
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	628	1,275
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,432	13,183	7,281	587	151	23,634	4,512	2,000	41,322
Conventional Blended with Fuel Ethanol	2,040	483	1,915	541	70	5,049	2,509	744	14,695
Ed55 and Lower	2,040	483	1,915	541	70	5,049	2,509	744	14,695
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	392	12,700	5,366	46	81	18,585	2,003	1,256	26,627
Finished Aviation Gasoline	46	1	144	—	—	191	7	115	348
Kerosene-Type Jet Fuel	1,495	15,797	9,735	99	—	27,126	1,030	14,080	53,271
Kerosene	-16	234	0	1	—	219	—	2	340
Distillate Fuel Oil	5,162	46,288	32,460	2,335	781	87,026	6,467	13,777	148,756
15 ppm sulfur and under	5,114	45,188	29,928	2,198	781	83,209	6,448	13,381	144,521
Greater than 15 ppm to 500 ppm sulfur	48	267	1,898	57	—	2,270	-6	231	2,372
Greater than 500 ppm sulfur	—	833	634	80	—	1,547	25	165	1,863
Residual Fuel Oil	304	1,426	834	22	92	2,678	339	1,995	6,897
Less than 0.31 percent sulfur	223	—	81	—	—	304	171	47	589
0.31 to 1.00 percent sulfur	-5	606	231	22	—	854	22	567	2,437
Greater than 1.00 percent sulfur	86	820	522	—	92	1,520	146	1,381	3,871
Petrochemical Feedstocks	125	2,498	2,964	—	50	5,637	—	21	6,552
Naphtha for Petro. Feed. Use	114	1,426	1,342	—	—	2,882	—	—	3,402
Other Oils for Petro. Feed. Use	11	1,072	1,622	—	50	2,755	—	21	3,150
Special Naphthas	45	512	—	32	—	589	—	9	574
Lubricants	7	1,696	1,015	694	—	3,412	—	236	4,194
Waxes	—	44	56	23	—	123	—	—	184
Petroleum Coke	291	8,348	5,351	183	21	14,194	706	4,206	25,096
Marketable	86	6,573	4,311	170	—	11,140	489	3,259	19,241
Catalyst	205	1,775	1,040	13	21	3,054	217	947	5,855
Asphalt and Road Oil	237	381	450	834	-2	1,900	1,160	872	10,879
Still Gas	716	6,207	3,714	299	64	11,000	648	3,816	20,938
Miscellaneous Products	120	1,064	480	18	7	1,689	87	396	2,697
Total	11,974	106,560	69,780	5,188	1,206	194,708	15,412	44,659	348,691
Processing Gain(-) or Loss(+) ¹	-554	-9,945	-7,688	25	-51	-18,213	-652	-5,255	-32,154

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, June 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	419	—	419	10	9	63	82
Natural Gas Liquids	419	—	419	10	9	63	82
Normal Butane	26	—	26	7	9	15	31
Isobutane	—	—	—	—	—	—	—
Natural Gasoline	393	—	393	3	—	48	51
Other Liquids	89,667	5,981	95,648	44,716	9,095	14,181	67,992
Oxygenates/Renewables	9,478	674	10,152	4,726	1,152	1,607	7,485
Biofuels (including Fuel Ethanol)	9,478	674	10,152	4,726	1,152	1,607	7,485
Fuel Ethanol	9,220	596	9,816	4,596	987	1,540	7,123
Biodiesel	254	78	332	130	165	67	362
Renewable Diesel Fuel	4	—	4	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—	—
Unfinished Oils (net)	—	—	—	—	—	7	7
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	—	—	—	—	—	7	7
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net)	80,189	5,307	85,496	39,990	7,943	12,567	60,500
Reformulated - RBOB	21,595	—	21,595	6,975	1,316	872	9,163
Conventional	58,594	5,307	63,901	33,015	6,627	11,695	51,337
CBOB	44,693	5,307	50,000	33,011	6,521	11,695	51,227
GTAB	4,323	—	4,323	—	—	—	—
Other	9,578	—	9,578	4	106	—	110
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	90,086	5,981	96,067	44,726	9,104	14,244	68,074

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	3	2,893	19	3	—	2,918	24	5	3,448
Natural Gas Liquids	3	2,893	19	3	—	2,918	24	5	3,448
Normal Butane	—	110	19	2	—	131	7	5	200
Isobutane	—	—	—	—	—	—	1	—	1
Natural Gasoline	3	2,783	—	1	—	2,787	16	—	3,247
Other Liquids	18,487	9,115	3,027	8,938	1,343	40,910	6,655	42,312	253,517
Oxygenates/Renewables	1,856	954	304	982	148	4,244	705	4,839	27,425
Biofuels (including Fuel Ethanol)	1,856	954	304	982	148	4,244	705	4,839	27,425
Fuel Ethanol	1,829	884	304	957	143	4,117	695	4,416	26,167
Biodiesel	27	70	—	25	5	127	10	325	1,156
Renewable Diesel Fuel	—	—	—	—	—	—	—	98	102
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Unfinished Oils (net)	—	—	—	—	—	—	—	—	7
Naphthas and Lighter	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	—	—	—	—	—	—
Heavy Gas Oils	—	—	—	—	—	—	—	—	7
Residuum	—	—	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net)	16,631	8,161	2,723	7,956	1,195	36,666	5,950	37,473	226,085
Reformulated - RBOB	6,740	6,496	—	7	—	13,243	—	27,211	71,212
Conventional	9,891	1,665	2,723	7,949	1,195	23,423	5,950	10,262	154,873
CBOB	9,891	-754	2,033	7,949	1,161	20,280	5,949	10,076	137,532
GTAB	—	—	—	—	—	—	—	—	4,323
Other	—	2,419	690	—	34	3,143	1	186	13,018
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—	—	—
Total Input	18,490	12,008	3,046	8,941	1,343	43,828	6,679	42,317	256,965

— = Not Applicable.

— = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, June 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	89,831	5,908	95,739	44,621	8,942	14,169	67,732
Reformulated	35,126	67	35,193	7,831	1,465	969	10,265
Reformulated Blended with Fuel Ethanol	35,122	67	35,189	7,831	1,464	969	10,264
Reformulated Other	4	—	4	—	1	—	1
Conventional	54,705	5,841	60,546	36,790	7,477	13,200	57,467
Conventional Blended with Fuel Ethanol	55,801	5,886	61,687	37,302	7,925	13,245	58,472
Ed55 and Lower	55,725	5,886	61,611	37,272	7,868	13,094	58,234
Greater than Ed55	76	—	76	30	57	151	238
Conventional Other	-1,096	-45	-1,141	-512	-448	-45	-1,005
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	—	0	-29	-1	-1	-31
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	254	73	327	134	165	62	361
15 ppm sulfur and under	246	73	319	134	165	63	362
Greater than 15 ppm to 500 ppm sulfur	34	—	34	—	—	104	104
Greater than 500 ppm sulfur	-26	—	-26	—	—	-105	-105
Residual Fuel Oil	-1	—	-1	—	—	—	—
Less than 0.31 percent sulfur	-5	—	-5	—	—	—	—
0.31 to 1.00 percent sulfur	—	—	—	—	—	—	—
Greater than 1.00 percent sulfur	4	—	4	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	—	—	—	—	—	—	—
Asphalt and Road Oil	—	—	—	—	1	11	12
Miscellaneous Products	—	—	—	—	—	—	—
Total Production	90,084	5,981	96,065	44,726	9,107	14,241	68,074
Processing Gain(-) or Loss(+) ¹	2	0	2	0	-3	3	0

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	18,461	11,936	3,044	8,913	1,337	43,691	6,667	41,892	255,721
Reformulated	7,392	7,108	—	—	—	14,500	—	30,273	90,231
Reformulated Blended with Fuel Ethanol	7,388	7,106	—	—	—	14,494	—	30,273	90,220
Reformulated Other	4	2	—	—	—	6	—	—	11
Conventional	11,069	4,828	3,044	8,913	1,337	29,191	6,667	11,619	165,490
Conventional Blended with Fuel Ethanol	11,093	1,561	3,011	9,412	1,399	26,476	6,741	13,385	166,761
Ed55 and Lower	11,085	1,560	3,011	9,392	1,398	26,446	6,719	13,372	166,382
Greater than Ed55	8	1	—	20	1	30	22	13	379
Conventional Other	-24	3,267	33	-499	-62	2,715	-74	-1,766	-1,271
Finished Aviation Gasoline	—	—	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	40	7	—	0	47	101	5	122
Kerosene	—	-40	1	—	—	-39	—	—	-39
Distillate Fuel Oil	29	69	-7	25	5	121	-91	416	1,134
15 ppm sulfur and under	29	69	-7	25	5	121	-91	418	1,129
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	138
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	-2	-133
Residual Fuel Oil	—	—	—	—	—	—	—	0	-1
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	-5
0.31 to 1.00 percent sulfur	—	—	—	—	—	—	—	-2	-2
Greater than 1.00 percent sulfur	—	—	—	—	—	—	—	2	6
Special Naphthas	—	—	—	—	—	—	—	—	—
Lubricants	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	—	—	—	—	—	—	—	—	12
Miscellaneous Products	—	—	—	—	—	—	—	—	—
Total Production	18,490	12,005	3,045	8,938	1,342	43,820	6,677	42,313	256,949
Processing Gain(-) or Loss(+) ¹	0	3	1	3	1	8	2	4	16

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	5,053	867	5,920	9,027	2,118	1,903	13,048
Petroleum Products	9,657	2,202	11,859	30,350	8,255	9,836	48,441
Hydrocarbon Gas Liquids	389	20	409	2,558	275	867	3,700
Natural Gas Liquids	318	20	338	2,139	256	851	3,246
Ethane	—	—	—	—	—	—	—
Propane	43	1	44	582	30	273	885
Normal Butane	175	4	179	1,165	190	201	1,556
Isobutane	100	15	115	248	36	241	525
Natural Gasoline	—	—	—	144	—	136	280
Refinery Olefins	71	0	71	419	19	16	454
Ethylene	—	—	—	—	—	—	—
Propylene	70	0	70	338	19	16	373
Normal Butylene	1	0	1	81	0	0	81
Isobutylene	0	0	0	0	0	0	0
Biofuels/Other Hydrocarbons	36	101	137	40	54	30	124
Biofuels (including Fuel Ethanol)	36	101	137	28	54	30	112
Fuel Ethanol	36	90	126	23	41	26	90
Biodiesel	—	11	11	5	13	4	22
Renewable Diesel Fuel	—	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	12	—	—	12
Unfinished Oils	3,850	363	4,213	8,366	1,474	3,464	13,304
Naphthas and Lighter	613	215	828	2,019	342	995	3,356
Kerosene and Light Gas Oils	353	—	353	1,761	748	396	2,905
Heavy Gas Oils	2,251	141	2,392	3,018	384	1,233	4,635
Residuum	633	7	640	1,568	—	840	2,408
Motor Gasoline Blending Components (MGBC)	2,814	250	3,064	7,965	1,830	2,611	12,406
Reformulated - RBOB	976	—	976	881	—	—	881
Conventional	1,838	250	2,088	7,084	1,830	2,611	11,525
CBOB	244	177	421	2,934	880	1,803	5,617
G TAB	—	—	—	—	—	—	—
Other	1,594	73	1,667	4,150	950	808	5,908
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	28	28	589	99	148	836
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	28	28	589	99	148	836
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	28	28	589	99	148	836
Finished Aviation Gasoline	—	—	—	—	36	—	36
Kerosene-Type Jet Fuel	480	—	480	1,718	278	268	2,264
Kerosene	60	2	62	105	—	23	128
Distillate Fuel Oil	1,059	204	1,263	4,021	1,095	1,450	6,566
15 ppm sulfur and under	754	140	894	3,820	834	1,326	5,980
Greater than 15 ppm to 500 ppm sulfur	26	44	70	—	—	66	66
Greater than 500 ppm sulfur	279	20	299	201	261	58	520
Residual Fuel Oil	345	19	364	595	165	84	844
Less than 0.31 percent sulfur	—	17	17	105	—	—	105
0.31 to 1.00 percent sulfur	125	2	127	143	22	35	200
Greater than 1.00 percent sulfur	220	—	220	347	143	49	539
Petrochemical Feedstocks	—	—	—	566	—	—	566
Naphtha for Petro. Feed. Use	—	—	—	452	—	—	452
Other Oils for Petro. Feed. Use	—	—	—	114	—	—	114
Special Naphthas	—	22	22	70	—	14	84
Lubricants	520	253	773	—	—	228	228
Waxes	—	365	365	—	—	71	71
Petroleum Coke	—	—	—	807	1,118	374	2,299
Marketable	—	—	—	807	1,118	374	2,299
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	96	529	625	2,893	1,816	197	4,906
Miscellaneous Products	8	46	54	57	15	7	79
Total Stocks, All Oils	14,710	3,069	17,779	39,377	10,373	11,739	61,489

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	2,214	26,089	16,502	1,209	240	46,254	2,729	22,853	90,804
Petroleum Products	10,864	61,153	39,557	3,697	1,194	116,465	10,533	45,997	233,295
Hydrocarbon Gas Liquids	3,093	2,152	903	10	72	6,230	464	1,504	12,307
Natural Gas Liquids	2,520	1,956	622	9	72	5,179	365	1,368	10,496
Ethane	15	2	—	—	—	17	—	—	17
Propane	422	529	82	2	3	1,038	60	73	2,100
Normal Butane	1,565	1,178	248	4	61	3,056	211	855	5,857
Isobutane	479	223	215	3	8	928	77	437	2,082
Natural Gasoline	39	24	77	—	—	140	17	3	440
Refinery Olefins	573	196	281	1	0	1,051	99	136	1,811
Ethylene	0	0	—	—	—	0	—	—	0
Propylene	554	52	63	1	0	670	4	21	1,138
Normal Butylene	19	144	218	0	0	381	95	115	673
Isobutylene	0	0	0	0	0	0	0	0	0
Biofuels/Other Hydrocarbons	47	668	127	33	8	883	118	813	2,075
Biofuels (including Fuel Ethanol)	47	668	127	33	8	883	118	813	2,063
Fuel Ethanol	32	629	66	26	5	758	111	159	1,244
Biodiesel	15	39	61	7	3	125	7	9	174
Renewable Diesel Fuel	—	—	—	—	—	—	—	645	645
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	12
Unfinished Oils	3,009	23,644	13,533	1,076	618	41,880	3,201	17,587	80,185
Naphthas and Lighter	1,318	6,231	1,645	273	218	9,685	772	2,758	17,399
Kerosene and Light Gas Oils	513	4,082	1,652	267	187	6,701	720	3,531	14,210
Heavy Gas Oils	741	9,816	7,838	511	213	19,119	1,295	8,930	36,371
Residuum	437	3,515	2,398	25	—	6,375	414	2,368	12,205
Motor Gasoline Blending Components (MGBC)	2,565	12,603	10,515	287	204	26,174	2,721	12,567	56,932
Reformulated - RBOB	100	1,522	604	—	11	2,237	—	4,853	8,947
Conventional	2,465	11,081	9,911	287	193	23,937	2,721	7,714	47,985
CBOB	1,297	3,445	5,179	212	27	10,160	1,327	2,191	19,716
GTAB	—	—	—	—	—	—	—	—	—
Other	1,168	7,636	4,732	75	166	13,777	1,394	5,523	28,269
Aviation Gasoline Blending Components	14	—	11	—	—	25	—	—	25
Finished Motor Gasoline	70	1,741	1,554	28	—	3,393	719	714	5,690
Reformulated	—	—	—	—	—	—	—	15	15
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	15	15
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	70	1,741	1,554	28	—	3,393	719	699	5,675
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	54	—	54
Ed55 and Lower	—	—	—	—	—	—	54	—	54
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	70	1,741	1,554	28	—	3,393	665	699	5,621
Finished Aviation Gasoline	25	97	147	—	—	269	10	182	497
Kerosene-Type Jet Fuel	427	3,157	1,963	64	—	5,611	265	3,317	11,937
Kerosene	10	92	1	3	—	106	—	3	299
Distillate Fuel Oil	760	8,254	5,439	482	72	15,007	1,720	4,882	29,438
15 ppm sulfur and under	673	6,811	4,528	290	72	12,374	1,520	4,292	25,060
Greater than 15 ppm to 500 ppm sulfur	87	310	281	30	—	708	133	253	1,230
Greater than 500 ppm sulfur	—	1,133	630	162	—	1,925	67	337	3,148
Residual Fuel Oil	270	2,191	949	10	114	3,534	222	1,766	6,730
Less than 0.31 percent sulfur	15	—	37	—	—	52	20	24	218
0.31 to 1.00 percent sulfur	94	440	258	10	—	802	9	308	1,446
Greater than 1.00 percent sulfur	161	1,751	654	—	114	2,680	193	1,434	5,066
Petrochemical Feedstocks	44	1,612	455	3	22	2,136	—	—	2,702
Naphtha for Petro. Feed. Use	35	993	433	3	—	1,464	—	—	1,916
Other Oils for Petro. Feed. Use	9	619	22	—	22	672	—	—	786
Special Naphthas	65	527	—	119	—	711	—	50	867
Lubricants	29	2,201	1,872	798	—	4,900	—	809	6,710
Waxes	—	92	103	74	—	269	—	—	705
Petroleum Coke	60	1,739	1,387	—	—	3,186	104	899	6,488
Marketable	60	1,739	1,387	—	—	3,186	104	899	6,488
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	241	143	513	709	82	1,688	969	849	9,037
Miscellaneous Products	135	240	85	1	2	463	20	55	671
Total Stocks, All Oils	13,078	87,242	56,059	4,906	1,434	162,719	13,262	68,850	324,099

-- = Not Applicable.

— = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, June 2023

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	4.3	2.8	4.1	6.1	3.5	3.2	5.1
Finished Motor Gasoline ¹	45.5	34.4	44.0	49.5	48.0	49.0	49.2
Finished Aviation Gasoline ²	—	—	—	—	0.2	—	0.0
Kerosene-Type Jet Fuel	12.7	—	11.0	8.6	5.7	3.6	7.1
Kerosene	0.8	—	0.7	0.0	—	-0.1	0.0
Distillate Fuel Oil ³	26.1	26.1	26.1	26.5	27.6	38.6	29.3
Residual Fuel Oil	4.1	0.1	3.6	0.9	1.4	0.6	0.9
Naphtha for Petro. Feed. Use	—	—	—	0.7	—	—	0.4
Other Oils for Petro. Feed. Use	—	—	—	0.5	—	—	0.3
Special Naphthas	—	0.3	0.0	-0.1	—	0.1	0.0
Lubricants	0.9	7.0	1.7	—	—	0.7	0.1
Waxes	—	0.6	0.1	—	—	0.2	0.0
Petroleum Coke	2.3	0.6	2.1	4.7	5.9	3.2	4.6
Asphalt and Road Oil	2.7	23.5	5.5	4.5	11.3	1.7	4.8
Still Gas	4.7	2.1	4.4	3.7	3.8	3.9	3.7
Miscellaneous Products	0.2	0.9	0.3	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-4.4	1.6	-3.6	-6.0	-8.1	-4.7	-6.0

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	5.6	6.1	5.4	1.0	2.1	5.7	2.4	3.4	5.0
Finished Motor Gasoline ¹	50.7	42.6	44.0	27.5	52.1	43.4	45.6	50.5	45.9
Finished Aviation Gasoline ²	0.2	0.0	0.1	—	—	0.1	0.0	0.2	0.1
Kerosene-Type Jet Fuel	8.3	10.9	10.0	1.6	—	10.1	5.5	19.2	10.6
Kerosene	-0.1	0.2	0.0	0.0	—	0.1	—	0.0	0.1
Distillate Fuel Oil ³	28.2	31.9	33.1	36.6	37.0	32.2	34.1	18.1	29.3
Residual Fuel Oil	1.7	1.0	0.9	0.3	4.5	1.0	1.8	2.7	1.4
Naphtha for Petro. Feed. Use	0.6	1.0	1.4	—	—	1.1	—	—	0.7
Other Oils for Petro. Feed. Use	0.1	0.7	1.7	—	2.4	1.0	—	0.0	0.6
Special Naphthas	0.3	0.4	—	0.5	—	0.2	—	0.0	0.1
Lubricants	0.0	1.2	1.0	10.9	—	1.3	—	0.3	0.8
Waxes	—	0.0	0.1	0.4	—	0.1	—	—	0.0
Petroleum Coke	1.6	5.7	5.5	2.9	1.0	5.3	3.8	5.7	5.0
Asphalt and Road Oil	1.3	0.3	0.5	13.1	-0.1	0.7	6.2	1.2	2.2
Still Gas	4.0	4.3	3.8	4.7	3.1	4.1	3.5	5.2	4.2
Miscellaneous Products	0.7	0.7	0.5	0.3	0.3	0.6	0.5	0.5	0.5
Processing Gain(-) or Loss(+) ⁴	-3.1	-6.8	-7.9	0.4	-2.4	-6.8	-3.5	-7.2	-6.4

— = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas liquids, fuel ethanol, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, renewable diesel fuel, and other biofuels.

⁴ Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, June 2023
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	—	121	435	556
Connecticut	—	—	—	—
Delaware	—	—	—	—
Florida	—	—	206	206
Georgia	—	—	—	—
Maine	—	—	—	—
Maryland	—	—	—	—
Massachusetts	—	—	—	—
New Hampshire	—	—	—	—
New Jersey	—	—	229	229
New York	—	—	—	—
North Carolina	—	—	—	—
Pennsylvania	—	120	—	120
Rhode Island	—	—	—	—
South Carolina	—	—	—	—
Vermont	—	1	—	1
Virginia	—	—	—	—
West Virginia	—	—	—	—
PAD District 2	—	9	70	79
Illinois	—	—	—	—
Indiana	—	—	—	—
Michigan	—	—	69	69
Minnesota	—	—	—	—
North Dakota	—	9	1	10
Ohio	—	—	—	—
Wisconsin	—	—	—	—
PAD District 3	—	263	1,520	1,783
Alabama	—	—	—	—
Louisiana	—	—	—	—
Mississippi	—	—	—	—
New Mexico	—	—	—	—
Texas	—	263	1,520	1,783
PAD District 4	—	—	—	—
Idaho	—	—	—	—
Montana	—	—	—	—
PAD District 5	305	381	—	686
Alaska	—	—	—	—
California	305	335	—	640
Hawaii	—	—	—	—
Oregon	—	—	—	—
Washington	—	46	—	46
U.S. Total	305	774	2,025	3,104

— = No Data Reported.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, June 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	16,222	80,945	48,823	7,246	41,578	194,814	6,494
Hydrocarbon Gas Liquids	629	1,681	—	268	1,323	3,901	130
Natural Gas Liquids	334	1,446	—	268	1,323	3,371	112
Ethane	—	—	—	—	—	—	—
Propane	252	918	—	266	684	2,120	71
Normal Butane	82	370	—	—	576	1,028	34
Isobutane	—	155	—	—	63	218	7
Natural Gasoline	—	3	—	2	—	5	0
Refinery Olefins	295	235	—	—	—	530	18
Ethylene	—	—	—	—	—	—	—
Propylene	295	157	—	—	—	452	15
Normal Butylene	—	78	—	—	—	78	3
Isobutylene	—	—	—	—	—	—	—
Other Liquids	26,273	448	15,558	19	3,557	45,855	1,529
Hydrogen/Biofuels/Other Hydrocarbons	581	63	147	8	903	1,702	57
Hydrogen	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	581	63	147	8	903	1,702	57
Fuel Ethanol	—	—	—	—	—	—	—
Biodiesel	581	63	142	8	222	1,016	34
Renewable Diesel Fuel	—	—	—	—	681	681	23
Other Biofuels ³	—	—	5	—	—	5	0
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils ¹	3,466	19	14,376	—	1,999	19,860	662
Naphthas and Lighter	405	19	—	—	—	424	14
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	1,322	—	6,329	—	1,610	9,261	309
Residuum	1,739	—	8,047	—	389	10,175	339
Motor Gasoline Blend.Comp. (MGBC)	22,226	366	1,035	11	655	24,293	810
Reformulated - RBOB	4,230	—	—	—	—	4,230	141
Conventional	17,996	366	1,035	11	655	20,063	669
CBOB	2,575	250	—	—	—	2,825	94
GTAB	5,483	—	300	—	—	5,783	193
Other	9,938	116	735	11	655	11,455	382
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	9,525	1,362	4,356	158	5,119	20,520	684
Finished Motor Gasoline	3,790	—	—	—	411	4,201	140
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	3,790	—	—	—	411	4,201	140
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	3,790	—	—	—	411	4,201	140
Finished Aviation Gasoline	—	4	—	—	3	7	0
Kerosene-Type Jet Fuel	1,072	—	—	21	3,231	4,324	144
Bonded Aircraft Fuel	40	—	—	—	728	768	26
Other	1,032	—	—	21	2,503	3,556	119
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	3,029	361	—	62	689	4,141	138
15 ppm sulfur and under	3,024	357	—	62	688	4,131	138
Bonded	—	—	—	—	—	—	—
Other	3,024	357	—	62	688	4,131	138
Greater than 15 ppm to 500 ppm sulfur	5	3	—	—	—	8	0
Bonded	—	—	—	—	—	—	—
Other	5	3	—	—	—	8	0
Greater than 500 ppm to 2000 ppm sulfur	—	1	—	—	1	2	0
Bonded	—	—	—	—	—	—	—
Other	—	1	—	—	1	2	0
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	556	79	1,783	—	686	3,104	103
Less than 0.31 percent sulfur	—	—	—	—	305	305	10
0.31 to 1.00 percent sulfur	121	9	263	—	381	774	26
Greater than 1.00 percent sulfur	435	70	1,520	—	—	2,025	68
Petrochemical Feedstocks	3	154	364	—	28	549	18
Naphtha for Petro. Feed. Use	3	90	240	—	28	361	12
Other Oils for Petro. Feed. Use	—	64	124	—	—	188	6
Special Naphthas	2	23	575	—	8	608	20
Lubricants	103	218	1,025	—	4	1,350	45
Waxes	51	20	8	—	25	104	3
Petroleum Coke (Marketable)	1	17	601	—	—	619	21
Asphalt and Road Oil	918	486	—	75	34	1,513	50
Miscellaneous Products	—	—	—	—	—	—	—
Total	52,649	84,436	68,737	7,691	51,577	265,090	8,836

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-June 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	104,700	506,540	274,466	45,577	224,356	1,155,639	6,385
Hydrocarbon Gas Liquids	7,217	11,342	9	3,858	9,374	31,800	176
Natural Gas Liquids	5,439	9,794	9	3,857	9,374	28,473	157
Ethane	—	—	—	—	—	—	—
Propane	5,132	5,972	—	3,747	5,939	20,790	115
Normal Butane	292	2,452	9	99	3,361	6,213	34
Isobutane	15	1,357	—	—	74	1,446	8
Natural Gasoline	—	13	—	11	—	24	0
Refinery Olefins	1,778	1,548	—	1	—	3,327	18
Ethylene	—	—	—	—	—	—	—
Propylene	1,778	913	—	1	—	2,692	15
Normal Butylene	—	635	—	—	—	635	4
Isobutylene	—	—	—	—	—	—	—
Other Liquids	108,118	3,355	90,037	552	23,394	225,456	1,246
Hydrogen/Biofuels/Other Hydrocarbons	2,938	553	1,498	62	4,830	9,881	55
Hydrogen	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	2,938	553	1,483	62	4,830	9,866	55
Fuel Ethanol	—	—	—	—	—	—	—
Biodiesel	2,765	553	1,425	62	841	5,646	31
Renewable Diesel Fuel	173	—	53	—	3,989	4,215	23
Other Biofuels ³	—	—	5	—	—	5	0
Other Hydrocarbons	—	—	15	—	—	15	0
Unfinished Oils ¹	12,478	19	80,071	—	9,964	102,532	566
Naphthas and Lighter	3,467	19	317	—	—	3,803	21
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	4,534	—	39,280	—	8,701	52,515	290
Residuum	4,477	—	40,474	—	1,263	46,214	255
Motor Gasoline Blend.Comp. (MGBC)	92,702	2,783	8,468	490	8,600	113,043	625
Reformulated - RBOB	25,704	—	292	—	777	26,773	148
Conventional	66,998	2,783	8,176	490	7,823	86,270	477
CBOB	10,063	798	—	—	1,269	12,130	67
GTAB	15,863	—	300	—	401	16,564	92
Other	41,072	1,985	7,876	490	6,153	57,576	318
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	74,966	8,681	23,829	1,066	27,638	136,180	752
Finished Motor Gasoline	18,904	—	354	—	4,049	23,307	129
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	18,904	—	354	—	4,049	23,307	129
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	18,904	—	354	—	4,049	23,307	129
Finished Aviation Gasoline	18	26	—	1	10	55	0
Kerosene-Type Jet Fuel	9,517	—	—	236	16,779	26,532	147
Bonded Aircraft Fuel	379	—	—	—	4,272	4,651	26
Other	9,138	—	—	236	12,507	21,881	121
Kerosene	504	20	—	—	—	524	3
Distillate Fuel Oil	29,938	1,692	833	349	2,919	35,731	197
15 ppm sulfur and under	29,791	1,616	833	349	2,917	35,506	196
Bonded	—	—	481	—	—	481	3
Other	29,791	1,616	352	349	2,917	35,025	194
Greater than 15 ppm to 500 ppm sulfur	16	23	—	—	—	39	0
Bonded	—	—	—	—	—	—	—
Other	16	23	—	—	—	39	0
Greater than 500 ppm to 2000 ppm sulfur	131	53	—	—	2	186	1
Bonded	—	—	—	—	—	—	—
Other	131	53	—	—	2	186	1
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	9,700	451	9,696	15	2,859	22,721	126
Less than 0.31 percent sulfur	998	—	65	11	858	1,932	11
0.31 to 1.00 percent sulfur	2,260	44	1,328	4	1,964	5,600	31
Greater than 1.00 percent sulfur	6,442	407	8,303	—	37	15,189	84
Petrochemical Feedstocks	419	972	2,116	—	151	3,658	20
Naphtha for Petro. Feed. Use	383	544	1,429	—	151	2,507	14
Other Oils for Petro. Feed. Use	36	428	687	—	—	1,151	6
Special Naphthas	12	62	2,840	1	131	3,046	17
Lubricants	708	1,402	6,210	—	150	8,470	47
Waxes	485	89	53	—	70	697	4
Petroleum Coke (Marketable)	2	106	1,727	—	—	1,835	10
Asphalt and Road Oil	4,759	3,861	—	464	520	9,604	53
Miscellaneous Products	—	—	—	—	—	—	—
Total	295,001	529,918	388,341	51,053	284,762	1,549,075	8,558

-- = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	31,211	57	—	7,694	—	—	—	—	1,354	1,354
Algeria	500	—	—	1,826	—	—	—	—	15	15
Angola	1,398	—	—	—	—	—	—	—	30	30
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	57	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	5,462	—	—	3,868	—	—	—	—	—	—
Kuwait	599	—	—	230	—	—	—	—	—	—
Libya	3,352	—	—	—	—	—	—	—	—	—
Nigeria	4,628	—	—	—	—	—	—	—	—	—
Saudi Arabia	11,498	—	—	1,730	—	—	—	—	1,309	1,309
United Arab Emirates	—	—	—	40	—	—	—	—	—	—
Venezuela	3,774	—	—	—	—	—	—	—	—	—
Non-OPEC	163,603	3,314	530	12,166	—	4,201	4,201	4,230	18,709	22,939
Argentina	967	—	—	—	—	—	—	—	212	212
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	339	—	—	50	—	—	—	—	—	—
Bahamas	—	—	—	—	—	1,133	1,133	—	646	646
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	484	484	137	661	798
Brazil	6,604	—	—	2,098	—	—	—	—	244	244
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	113,184	3,314	530	1,564	—	349	349	2,012	1,945	3,957
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	6,111	—	—	286	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	2,651	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	10	10	2	734	736
France	—	—	—	—	—	106	106	166	45	211
Germany	—	—	—	—	—	2	2	96	38	134
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	550	—	114	114	—	3,126	3,126
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	178	—	51	51	—	1,143	1,143
Korea, South	—	—	—	—	—	386	386	—	484	484
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	25	25	22	30	52
Malaysia	—	—	—	564	—	—	—	—	—	—
Mexico	25,012	—	—	5,159	—	—	—	—	—	—
Netherlands	—	—	—	298	—	420	420	319	2,408	2,727
Norway	—	—	—	—	—	19	19	131	1,452	1,583
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	254	—	—	—	—	1,333	1,333
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	561	561	6	1,861	1,867
Sweden	—	—	—	—	—	112	112	37	293	330
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	1,910	—	—	—	—	—	—	—	—	—
United Kingdom	1,795	—	—	—	—	404	404	1,261	747	2,008
Vietnam	285	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	4,745	0	0	1,165	—	25	25	41	1,307	1,348
Total	194,814	3,371	530	19,860	—	4,201	4,201	4,230	20,063	24,293
Persian Gulf⁴	17,559	—	—	5,868	—	—	—	—	1,309	1,309

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	1,016	681	5	4,131	8	2	—	4,141	—	7
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	269	—	—	—	269	—	—
Canada	—	290	—	—	3,804	8	2	—	3,814	—	7
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	622	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	104	—	—	58	—	—	—	58	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	681	5	0	0	0	—	0	—	0
Total	—	1,016	681	5	4,131	8	2	—	4,141	—	7
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	698	—	—	198	170	368	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	698	—	—	95	170	265	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	103	—	103	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	3,626	608	305	576	1,855	2,736	361	188
Argentina	—	—	—	—	—	—	—	—	24
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	305	137	—	442	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	11	11	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	426	116	—	176	189	365	93	64
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	34
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	2,160	492	—	—	—	—	108	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	267	267	—	—
Mexico	—	—	—	—	—	625	625	35	66
Netherlands	—	—	—	—	—	206	206	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	14	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	1,040	0	0	263	557	820	111	0
Total	—	4,324	608	305	774	2,025	3,104	361	188
Persian Gulf¹	—	698	—	—	198	170	368	14	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	134	—	223	—	10,528	41,739	1,040	351	1,391
Algeria	—	—	—	—	—	1,841	2,341	17	61	78
Angola	—	—	—	—	—	30	1,428	47	1	48
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	57	57	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	3,868	9,330	182	129	311
Kuwait	—	—	—	—	—	1,193	1,792	20	40	60
Libya	—	—	—	—	—	—	3,352	112	—	112
Nigeria	—	—	—	—	—	—	4,628	154	—	154
Saudi Arabia	—	—	—	—	—	3,039	14,537	383	101	485
United Arab Emirates	—	134	—	223	—	500	500	—	17	17
Venezuela	—	—	—	—	—	—	3,774	126	—	126
Non-OPEC	104	485	1,513	1,127	—	59,748	223,351	5,453	1,992	7,445
Argentina	—	94	—	1	—	331	1,298	32	11	43
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	492	831	11	16	28
Bahamas	—	—	—	—	—	1,779	1,779	—	59	59
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	11	—	1,293	1,293	—	43	43
Brazil	—	88	—	—	—	2,441	9,045	220	81	302
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	269	269	—	9	9
Canada	66	17	1,463	277	—	16,712	129,896	3,773	557	4,330
Chad	—	—	—	—	—	—	—	—	—	—
China	20	—	—	—	—	20	20	—	1	1
Colombia	—	—	—	—	—	286	6,397	204	10	213
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	2,651	88	—	88
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	746	746	—	25	25
France	—	—	—	7	—	358	358	—	12	12
Germany	—	—	—	10	—	768	768	—	26	26
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	3,790	3,790	—	126	126
Indonesia	—	—	—	75	—	75	75	—	3	3
Italy	—	—	—	6	—	1,378	1,378	—	46	46
Korea, South	—	—	—	366	—	4,158	4,158	—	139	139
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	77	77	—	3	3
Malaysia	8	—	—	—	—	839	839	—	28	28
Mexico	—	—	—	—	—	5,885	30,897	834	196	1,030
Netherlands	—	—	—	35	—	3,686	3,686	—	123	123
Norway	—	—	—	—	—	1,602	1,602	—	53	53
Oman	—	132	—	—	—	132	132	—	4	4
Portugal	—	—	—	—	—	1,587	1,587	—	53	53
Qatar	—	—	—	326	—	340	340	—	11	11
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	24	13	—	2,465	2,465	—	82	82
Sweden	—	—	—	—	—	442	442	—	15	15
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	1,910	64	—	64
United Kingdom	—	—	—	—	—	2,412	4,207	60	80	140
Vietnam	—	—	—	—	—	—	285	10	—	10
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	10	154	26	0	—	5,385	10,130	157	180	336
Total	104	619	1,513	1,350	—	70,276	265,090	6,494	2,343	8,836
Persian Gulf⁴	—	134	—	549	—	8,940	26,499	585	298	883

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	190,518	1,034	—	42,205	—	34	34	565	7,273	7,838
Algeria	3,037	—	—	5,651	—	—	—	—	1,928	1,928
Angola	5,982	—	—	—	—	—	—	—	905	905
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	1,029	1,034	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	40,349	—	—	23,799	—	—	—	—	—	—
Kuwait	2,940	—	—	807	—	—	—	—	70	70
Libya	13,483	—	—	—	—	—	—	—	—	—
Nigeria	32,470	—	—	257	—	—	—	—	600	600
Saudi Arabia	69,835	—	—	11,281	—	—	—	—	3,260	3,260
United Arab Emirates	1,428	—	—	410	—	34	34	565	510	1,075
Venezuela	19,965	—	—	—	—	—	—	—	—	—
Non-OPEC	965,121	27,439	3,327	60,327	—	23,273	23,273	26,208	78,997	105,205
Argentina	7,355	—	—	294	—	25	25	—	1,450	1,450
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	339	—	—	50	—	—	—	—	—	—
Bahamas	—	—	—	—	—	4,759	4,759	100	1,898	1,998
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	2,057	—	1,313	1,313	285	1,716	2,001
Brazil	25,076	—	—	6,285	—	250	250	—	974	974
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	617	—	—	—	—	—	—	—	—	—
Canada	697,051	27,271	3,327	3,555	—	2,012	2,012	13,344	11,053	24,397
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	323	323	—	—	—
Colombia	34,589	—	—	1,129	—	—	—	—	242	242
Denmark	—	—	—	—	—	2	2	1	84	85
Ecuador	22,606	—	—	3,017	—	—	—	—	—	—
Egypt	—	—	—	47	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	439	439	281	2,034	2,315
France	—	—	—	200	—	1,973	1,973	482	1,674	2,156
Germany	—	—	—	9	—	10	10	96	151	247
Guatemala	281	—	—	—	—	—	—	—	—	—
India	—	—	—	2,996	—	755	755	551	13,621	14,172
Indonesia	—	—	—	134	—	—	—	—	—	—
Italy	—	—	—	976	—	366	366	311	6,093	6,404
Korea, South	—	—	—	—	—	2,213	2,213	—	4,012	4,012
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	133	133	22	556	578
Malaysia	—	—	—	3,812	—	—	—	—	269	269
Mexico	131,794	—	—	25,918	—	—	—	—	230	230
Netherlands	383	—	—	1,454	—	2,583	2,583	3,710	7,779	11,489
Norway	1,737	—	—	—	—	1,835	1,835	699	3,436	4,135
Oman	—	—	—	—	—	4	4	—	293	293
Portugal	—	—	—	254	—	38	38	1	5,085	5,086
Qatar	517	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	628	—	1,479	1,479	37	6,916	6,953
Sweden	—	—	—	199	—	588	588	37	853	890
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	5,548	168	—	—	—	—	—	—	—	—
United Kingdom	7,476	—	—	708	—	1,295	1,295	6,210	1,891	8,101
Vietnam	285	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	29,467	0	0	6,605	—	878	878	41	6,687	6,728
Total	1,155,639	28,473	3,327	102,532	—	23,307	23,307	26,773	86,270	113,043
Persian Gulf⁴	115,069	—	—	36,297	—	34	34	565	3,840	4,405

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	—	—	—	—	1,111	—	—	—	1,111	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	308	—	—	—	308	—	—
Saudi Arabia	—	—	—	—	750	—	—	—	750	—	—
United Arab Emirates	—	—	—	—	53	—	—	—	53	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	5,646	4,215	5	34,395	39	186	—	34,620	524	55
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	70	—	—	—	70	—	—
Brazil	—	90	—	—	57	—	—	—	57	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	762	—	—	—	762	—	—
Canada	—	1,614	—	—	25,995	39	55	—	26,089	20	37
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	1,090	—	—	—	1,090	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	1	—	—	—	1	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	226	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	2,397	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	3,088	—	—	—	3,088	504	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	484	—	—	—	—	—	—	—	—	—
Korea, South	—	345	—	—	817	—	—	—	817	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	300	—	—	—	300	—	—
Netherlands	—	37	61	—	55	—	117	—	172	—	18
Norway	—	—	—	—	—	—	14	—	14	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	1,106	—	—	—	1,106	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	679	—	—	45	—	—	—	45	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	3,928	5	1,009	0	0	—	1,009	0	0
Total	—	5,646	4,215	5	35,506	39	186	—	35,731	524	55
Persian Gulf⁴	—	—	—	—	1,909	—	—	—	1,909	—	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	4,759	—	998	584	1,047	2,629	7	—
Algeria	—	—	—	998	257	28	1,283	—	—
Angola	—	—	—	—	3	—	3	—	—
Congo (Brazzaville)	—	—	—	—	126	—	126	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	4	—	—	—	567	567	—	—
Kuwait	—	3,325	—	—	95	170	265	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	3	3	—	—
Saudi Arabia	—	694	—	—	—	279	279	7	—
United Arab Emirates	—	736	—	—	103	—	103	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	21,773	3,046	934	5,016	14,142	20,092	2,500	1,151
Argentina	—	—	—	—	179	—	179	—	118
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	305	137	—	442	—	—
Bahamas	—	—	—	—	20	—	20	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	301	—	301	—	—
Brazil	—	—	21	—	2	668	670	—	16
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	2,332	652	76	668	1,223	1,967	555	457
Chad	—	—	—	—	—	—	—	—	—
China	—	935	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	1,812	1,812	—	—
Denmark	—	—	—	—	33	—	33	—	—
Ecuador	—	—	—	—	110	2	112	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	19	—	19	—	—
France	—	—	49	—	—	—	—	—	99
Germany	—	—	28	—	53	—	53	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	1,566	—	240	—	49	289	175	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	166	—	—	—	1	1	130	—
Korea, South	—	12,430	2,089	—	—	—	—	519	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	13	—	119	—	336	455	—	—
Mexico	—	13	—	—	8	8,099	8,107	269	461
Netherlands	—	—	170	—	332	460	792	88	—
Norway	—	15	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	4	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	40	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	13	—	13	23	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	652	20	672	34	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	4,303	37	194	2,489	1,472	4,155	663	0
Total	—	26,532	3,046	1,932	5,600	15,189	22,721	2,507	1,151
Persian Gulf¹	—	4,759	—	—	198	1,016	1,214	47	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	134	—	954	—	60,705	251,223	1,053	335	1,388
Algeria	—	—	—	—	—	8,862	11,899	17	49	66
Angola	—	—	—	—	—	908	6,890	33	5	38
Congo (Brazzaville)	—	—	—	—	—	126	126	—	1	1
Equatorial Guinea	—	—	—	—	—	1,034	2,063	6	6	11
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	24,370	64,719	223	135	358
Kuwait	—	—	—	—	—	4,467	7,407	16	25	41
Libya	—	—	—	—	—	—	13,483	74	—	74
Nigeria	—	—	—	—	—	1,168	33,638	179	6	186
Saudi Arabia	—	—	—	—	—	16,271	86,106	386	90	476
United Arab Emirates	—	134	—	954	—	3,499	4,927	8	19	27
Venezuela	—	—	—	—	—	—	19,965	110	—	110
Non-OPEC	697	1,701	9,604	7,516	—	332,731	1,297,852	5,332	1,838	7,170
Argentina	—	543	—	6	—	2,615	9,970	41	14	55
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	492	831	2	3	5
Bahamas	—	—	—	—	—	6,777	6,777	—	37	37
Bahrain	—	—	—	364	—	364	364	—	2	2
Belgium	—	—	—	23	—	5,765	5,765	—	32	32
Brazil	—	128	—	—	—	8,491	33,567	139	47	185
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	762	1,379	3	4	8
Canada	506	106	9,167	1,826	—	105,890	802,941	3,851	585	4,436
Chad	—	—	—	—	—	—	—	—	—	—
China	68	—	—	—	—	1,326	1,326	—	7	7
Colombia	—	308	72	—	—	4,653	39,242	191	26	217
Denmark	—	—	—	—	—	120	120	—	1	1
Ecuador	—	—	—	—	—	3,130	25,736	125	17	142
Egypt	—	—	—	—	—	47	47	—	0	0
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	2,999	2,999	—	17	17
France	—	—	—	42	—	4,519	4,519	—	25	25
Germany	—	—	—	88	—	2,832	2,832	—	16	16
Guatemala	—	—	—	—	—	—	281	2	—	2
India	—	—	—	—	—	23,545	23,545	—	130	130
Indonesia	—	—	—	477	—	611	611	—	3	3
Italy	—	—	31	41	—	8,599	8,599	—	48	48
Korea, South	2	—	—	2,125	—	24,552	24,552	—	136	136
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	711	711	—	4	4
Malaysia	24	—	—	—	—	4,573	4,573	—	25	25
Mexico	—	—	—	—	—	35,298	167,092	728	195	923
Netherlands	—	140	—	333	—	17,337	17,720	2	96	98
Norway	—	—	—	—	—	5,999	7,736	10	33	43
Oman	—	132	—	—	—	433	433	—	2	2
Portugal	—	—	—	—	—	5,378	5,378	—	30	30
Qatar	—	—	—	2,170	—	3,316	3,833	3	18	21
Russia	—	—	—	—	—	—	—	—	—	—
Spain	4	—	132	13	—	9,969	9,969	—	55	55
Sweden	—	—	—	4	—	1,681	1,681	—	9	9
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	168	5,716	31	1	32
United Kingdom	12	25	—	—	—	10,847	18,323	41	60	101
Vietnam	—	—	—	—	—	—	285	2	—	2
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	81	319	202	4	—	28,932	58,399	161	160	321
Total	697	1,835	9,604	8,470	—	393,436	1,549,075	6,385	2,174	8,558
Persian Gulf⁴	—	134	—	3,488	—	52,287	167,356	636	289	925

— = Not Applicable.
 — = No Data Reported.
¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.
² Includes crude oil imported for storage in the Strategic Petroleum Reserve.
³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
 Note: Totals may not equal sum of components due to independent rounding.
 Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	9,218	—	—	1,864	—	—	—	—	1,354	1,354
Algeria	500	—	—	712	—	—	—	—	15	15
Angola	261	—	—	—	—	—	—	—	30	30
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	1,152	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	1,256	—	—	—	—	—	—	—	—	—
Nigeria	4,628	—	—	—	—	—	—	—	—	—
Saudi Arabia	2,573	—	—	—	—	—	—	—	1,309	1,309
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	7,004	334	295	1,602	—	3,790	3,790	4,230	16,642	20,872
Argentina	—	—	—	—	—	—	—	—	212	212
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	1,133	1,133	—	646	646
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	484	484	137	661	798
Brazil	—	—	—	—	—	—	—	—	179	179
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	2,687	334	295	765	—	324	324	2,012	1,431	3,443
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	249	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	10	10	2	734	736
France	—	—	—	—	—	106	106	166	45	211
Germany	—	—	—	—	—	2	2	96	38	134
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	114	114	—	2,463	2,463
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	51	51	—	1,143	1,143
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	25	25	22	30	52
Malaysia	—	—	—	26	—	—	—	—	—	—
Mexico	1,493	—	—	157	—	—	—	—	—	—
Netherlands	—	—	—	151	—	420	420	319	2,408	2,727
Norway	—	—	—	—	—	19	19	131	1,452	1,583
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	254	—	—	—	—	1,333	1,333
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	561	561	6	1,861	1,867
Sweden	—	—	—	—	—	112	112	37	293	330
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	1,795	—	—	—	—	404	404	1,261	698	1,959
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	1,029	0	0	0	—	25	25	41	1,015	1,056
Total	16,222	334	295	3,466	—	3,790	3,790	4,230	17,996	22,226
Persian Gulf⁴	2,573	—	—	1,152	—	—	—	—	1,309	1,309

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	581	-	-	3,024	5	-	-	3,029	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	269	-	-	-	269	-	-
Canada	-	101	-	-	2,755	5	-	-	2,760	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	480	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	0	-	-	0	-	-
Total	-	581	-	-	3,024	5	-	-	3,029	-	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	698	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	698	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	374	2	—	121	435	556	3	—
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	374	2	—	121	—	121	3	—
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	206	206	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	0	—	0	229	229	0	—
Total	—	1,072	2	—	121	435	556	3	—
Persian Gulf¹	—	698	—	—	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	30	—	3,946	13,164	307	132	439
Algeria	—	—	—	—	—	727	1,227	17	24	41
Angola	—	—	—	—	—	30	291	9	1	10
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	1,152	1,152	—	38	38
Kuwait	—	—	—	—	—	698	698	—	23	23
Libya	—	—	—	—	—	—	1,256	42	—	42
Nigeria	—	—	—	—	—	—	4,628	154	—	154
Saudi Arabia	—	—	—	—	—	1,309	3,882	86	44	129
United Arab Emirates	—	—	—	30	—	30	30	—	1	1
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	51	1	918	73	—	32,481	39,485	233	1,083	1,316
Argentina	—	—	—	—	—	212	212	—	7	7
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	1,779	1,779	—	59	59
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1	—	1,283	1,283	—	43	43
Brazil	—	—	—	—	—	179	179	—	6	6
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	269	269	—	9	9
Canada	47	—	868	64	—	9,501	12,188	90	317	406
Chad	—	—	—	—	—	—	—	—	—	—
China	2	—	—	—	—	2	2	—	0	0
Colombia	—	—	—	—	—	249	249	—	8	8
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	746	746	—	25	25
France	—	—	—	1	—	318	318	—	11	11
Germany	—	—	—	6	—	622	622	—	21	21
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	2,577	2,577	—	86	86
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	1	—	1,195	1,195	—	40	40
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	77	77	—	3	3
Malaysia	—	—	—	—	—	26	26	—	1	1
Mexico	—	—	—	—	—	157	1,650	50	5	55
Netherlands	—	—	—	—	—	3,504	3,504	—	117	117
Norway	—	—	—	—	—	1,602	1,602	—	53	53
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	1,587	1,587	—	53	53
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	24	—	—	2,452	2,452	—	82	82
Sweden	—	—	—	—	—	442	442	—	15	15
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	2,363	4,158	60	79	139
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	2	1	26	0	—	1,339	2,368	33	43	77
Total	51	1	918	103	—	36,427	52,649	541	1,214	1,755
Persian Gulf⁴	—	—	—	30	—	3,189	5,762	86	106	192

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	80,945	1,446	235	19	-	-	-	-	366	366
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	80,945	1,446	235	19	-	-	-	-	366	366
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	-	-	-	0	0
Total	80,945	1,446	235	19	-	-	-	-	366	366
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	63	—	—	357	3	1	—	361	—	4
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	63	—	—	357	3	1	—	361	—	4
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	—	—	0	0	0	—	0	—	0
Total	—	63	—	—	357	3	1	—	361	—	4
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	23	-	9	70	79	90	64
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	23	-	9	70	79	90	64
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	0	-	0	0	0	0	0
Total	-	-	23	-	9	70	79	90	64
Persian Gulf¹	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	20	17	486	218	—	3,491	84,436	2,698	116	2,815
Argentina	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	9	—	9	9	—	0	0
Brazil	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	19	17	486	209	—	3,481	84,426	2,698	116	2,814
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	1	0	0	0	—	1	1	0	0	1
Total	20	17	486	218	—	3,491	84,436	2,698	116	2,815
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	8,500	-	-	4,244	-	-	-	-	-	-
Algeria	-	-	-	127	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	2,716	-	-	-	-	-	-
Kuwait	599	-	-	230	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	4,127	-	-	1,131	-	-	-	-	-	-
United Arab Emirates	-	-	-	40	-	-	-	-	-	-
Venezuela	3,774	-	-	-	-	-	-	-	-	-
Non-OPEC	40,323	-	-	10,132	-	-	-	-	1,035	1,035
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	50	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	506	-	-	2,098	-	-	-	-	65	65
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	13,260	-	-	717	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	4,309	-	-	37	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	550	-	-	-	-	334	334
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	178	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	465	465
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	538	-	-	-	-	-	-
Mexico	21,723	-	-	4,652	-	-	-	-	-	-
Netherlands	-	-	-	147	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	525	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	-	-	1,165	-	-	-	-	171	171
Total	48,823	-	-	14,376	-	-	-	-	1,035	1,035
Persian Gulf⁴	4,726	-	-	4,117	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	142	-	5	-	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	142	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	5	-	-	-	-	-	-	-
Total	-	142	-	5	-	-	-	-	-	-	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	—	—	—	—	170	170	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	170	170	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	575	—	263	1,350	1,613	240	124
Argentina	—	—	—	—	—	—	—	—	24
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	11	11	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	83	—	—	119	119	—	—
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	34
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	492	—	—	—	—	108	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	267	267	—	—
Mexico	—	—	—	—	—	625	625	35	66
Netherlands	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	14	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	0	—	263	328	591	83	0
Total	—	—	575	—	263	1,520	1,783	240	124
Persian Gulf¹	—	—	—	—	—	170	170	14	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	134	—	193	—	4,741	13,241	283	158	441
Algeria	—	—	—	—	—	127	127	—	4	4
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	2,716	2,716	—	91	91
Kuwait	—	—	—	—	—	400	999	20	13	33
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	1,131	5,258	138	38	175
United Arab Emirates	—	134	—	193	—	367	367	—	12	12
Venezuela	—	—	—	—	—	—	3,774	126	—	126
Non-OPEC	8	467	—	832	—	15,173	55,496	1,344	506	1,850
Argentina	—	94	—	1	—	119	119	—	4	4
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	50	50	—	2	2
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1	—	1	1	—	0	0
Brazil	—	88	—	—	—	2,262	2,768	17	75	92
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	919	14,179	442	31	473
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	37	4,346	144	1	145
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	6	—	40	40	—	1	1
Germany	—	—	—	4	—	146	146	—	5	5
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	884	884	—	29	29
Indonesia	—	—	—	75	—	75	75	—	3	3
Italy	—	—	—	5	—	183	183	—	6	6
Korea, South	—	—	—	366	—	1,431	1,431	—	48	48
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	8	—	—	—	—	813	813	—	27	27
Mexico	—	—	—	—	—	5,378	27,101	724	179	903
Netherlands	—	—	—	35	—	182	182	—	6	6
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	132	—	—	—	132	132	—	4	4
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	326	—	340	340	—	11	11
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	13	—	13	13	—	0	0
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	525	18	—	18
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	153	—	0	—	2,168	2,168	-1	74	73
Total	8	601	—	1,025	—	19,914	68,737	1,627	664	2,291
Persian Gulf⁴	—	134	—	519	—	4,954	9,680	158	165	323

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	7,246	268	-	-	-	-	-	-	11	11
Canada	7,246	268	-	-	-	-	-	-	11	11
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	-	-	-	0	0
Total	7,246	268	-	-	-	-	-	-	11	11
	PAD District 5									
OPEC	13,493	57	-	1,586	-	-	-	-	-	-
Algeria	-	-	-	987	-	-	-	-	-	-
Angola	1,137	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	57	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	5,462	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	2,096	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	4,798	-	-	599	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	28,085	1,266	-	413	-	411	411	-	655	655
Argentina	967	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	339	-	-	-	-	-	-	-	-	-
Brazil	6,098	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	9,046	1,266	-	63	-	25	25	-	137	137
China	-	-	-	-	-	-	-	-	-	-
Colombia	1,802	-	-	-	-	-	-	-	-	-
Ecuador	2,651	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	386	386	-	19	19
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,796	-	-	350	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	121	121
United Kingdom	-	-	-	-	-	-	-	-	49	49
Vietnam	285	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	5,101	0	-	0	-	0	0	-	329	329
Total	41,578	1,323	-	1,999	-	411	411	-	655	655
Persian Gulf ⁴	10,260	-	-	599	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
	PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	8	-	-	62	-	-	-	62	-	-
Canada	-	8	-	-	62	-	-	-	62	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	-	-	0	-	-
Total	-	8	-	-	62	-	-	-	62	-	-
	PAD District 5										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	222	681	-	688	-	1	-	689	-	3
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	118	-	-	630	-	1	-	631	-	3
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	104	-	-	58	-	-	-	58	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	681	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	0	-	0	-	0	-	0
Total	-	222	681	-	688	-	1	-	689	-	3
Persian Gulf ⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
	PAD District 4								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	21	-	-	-	-	-	-	-
Canada	-	21	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	-	-	-	-	-
Total	-	21	-	-	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	198	-	198	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	95	-	95	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	103	-	103	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	3,231	8	305	183	-	488	28	-
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	305	137	-	442	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	31	8	-	46	-	46	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	589	-	-	-	-	-	-	-
Korea, South	-	2,160	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	143	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	28	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	308	0	0	0	-	0	0	-
Total	-	3,231	8	305	381	-	686	28	-
Persian Gulf ⁴	-	-	-	-	198	-	198	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
	PAD District 4									
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	75	—	—	445	7,691	242	15	256
Canada	—	—	75	—	—	445	7,691	242	15	256
Ecuador	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	—	—	0	0	0	0	0
Total	—	—	75	—	—	445	7,691	242	15	256
	PAD District 5									
OPEC	—	—	—	—	—	1,841	15,334	450	61	511
Algeria	—	—	—	—	—	987	987	—	33	33
Angola	—	—	—	—	—	—	1,137	38	—	38
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	5,462	182	—	182
Kuwait	—	—	—	—	—	95	95	—	3	3
Libya	—	—	—	—	—	—	2,096	70	—	70
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	599	5,397	160	20	180
United Arab Emirates	—	—	—	—	—	103	103	—	3	3
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	25	—	34	4	—	8,158	36,243	936	272	1,208
Argentina	—	—	—	—	—	—	967	32	—	32
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	442	781	11	15	26
Brazil	—	—	—	—	—	—	6,098	203	—	203
Brunei	—	—	—	—	—	—	—	—	—	—
Canada	—	—	34	4	—	2,366	11,412	302	79	380
China	18	—	—	—	—	18	18	—	1	1
Colombia	—	—	—	—	—	—	1,802	60	—	60
Ecuador	—	—	—	—	—	—	2,651	88	—	88
Finland	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Japan	—	—	—	—	—	589	589	—	20	20
Korea, South	—	—	—	—	—	2,727	2,727	—	91	91
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	350	2,146	60	12	72
Netherlands	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	824	824	—	27	27
Sweden	—	—	—	—	—	—	—	—	—	—
Taiwan	7	—	—	—	—	156	156	—	5	5
United Kingdom	—	—	—	—	—	49	49	—	2	2
Vietnam	—	—	—	—	—	—	285	10	—	10
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Other	0	—	0	0	—	637	5,738	170	20	191
Total	25	—	34	4	—	9,999	51,577	1,386	333	1,719
Persian Gulf ⁴	—	—	—	—	—	797	11,057	342	27	369

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form FIA-814 "Monthly Imports Report"

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	55,216	759	-	4,382	-	-	-	435	6,632	7,067
Algeria	3,037	-	-	1,365	-	-	-	-	1,928	1,928
Angola	2,940	-	-	-	-	-	-	-	905	905
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	759	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	2,760	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	1	-
Libya	6,186	-	-	-	-	-	-	-	-	-
Nigeria	31,524	-	-	257	-	-	-	-	600	600
Saudi Arabia	11,529	-	-	-	-	-	-	-	2,998	2,998
United Arab Emirates	-	-	-	-	-	-	-	435	200	635
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	49,484	4,680	1,778	8,096	-	18,904	18,904	25,269	60,366	85,635
Argentina	1,621	-	-	294	-	-	-	-	1,359	1,359
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	4,449	4,449	100	1,245	1,345
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	250	-	1,313	1,313	285	1,114	1,399
Brazil	627	-	-	120	-	-	-	-	637	637
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	21,639	4,680	1,778	1,473	-	1,800	1,800	13,344	7,434	20,778
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	501	-	-	1,092	-	-	-	-	210	210
Denmark	-	-	-	-	-	2	2	1	84	85
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	439	439	281	2,034	2,315
France	-	-	-	200	-	1,718	1,718	482	1,674	2,156
Germany	-	-	-	9	-	10	10	96	69	165
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	233	233	70	9,213	9,283
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	376	-	366	366	311	6,093	6,404
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	133	133	22	556	578
Malaysia	-	-	-	26	-	-	-	-	192	192
Mexico	13,004	-	-	1,999	-	-	-	-	-	-
Netherlands	-	-	-	810	-	2,583	2,583	3,252	7,441	10,693
Norway	1,737	-	-	-	-	1,835	1,835	699	3,436	4,135
Oman	-	-	-	-	-	4	4	-	30	30
Portugal	-	-	-	254	-	38	38	1	5,085	5,086
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	311	-	1,479	1,479	37	6,610	6,647
Sweden	-	-	-	-	-	548	548	37	803	840
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	3,618	-	-	300	-	1,290	1,290	6,210	1,489	7,699
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	6,737	0	0	582	-	664	664	41	3,558	3,599
Total	104,700	5,439	1,778	12,478	-	18,904	18,904	25,704	66,998	92,702
Persian Gulf⁴	11,529	-	-	2,760	-	-	-	435	3,199	3,634

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	—	—	—	—	1,111	—	—	—	1,111	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	308	—	—	—	308	—	—
Saudi Arabia	—	—	—	—	750	—	—	—	750	—	—
United Arab Emirates	—	—	—	—	53	—	—	—	53	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	2,765	173	—	28,680	16	131	—	28,827	504	18
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	70	—	—	—	70	—	—
Brazil	—	90	—	—	5	—	—	—	5	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	762	—	—	—	762	—	—
Canada	—	503	—	—	21,930	16	—	—	21,946	—	—
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	609	—	—	—	609	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	1	—	—	—	1	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	173	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	1,514	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	3,088	—	—	—	3,088	504	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	228	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	55	—	117	—	172	—	18
Norway	—	—	—	—	—	—	14	—	14	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	1,106	—	—	—	1,106	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	430	—	—	45	—	—	—	45	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	0	—	1,009	0	0	—	1,009	0	0
Total	—	2,765	173	—	29,791	16	131	—	29,938	504	18
Persian Gulf⁴	—	—	—	—	1,909	—	—	—	1,909	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	4,759	—	998	383	715	2,096	7	—
Algeria	—	—	—	998	257	28	1,283	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	126	—	126	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	4	—	—	—	405	405	—	—
Kuwait	—	3,325	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	3	3	—	—
Saudi Arabia	—	694	—	—	—	279	279	7	—
United Arab Emirates	—	736	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	4,758	12	—	1,877	5,727	7,604	376	36
Argentina	—	—	—	—	—	—	—	—	31
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	20	—	20	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	301	—	301	—	—
Brazil	—	—	—	—	2	88	90	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1,844	12	—	252	633	885	11	5
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	1,812	1,812	—	—
Denmark	—	—	—	—	33	—	33	—	—
Ecuador	—	—	—	—	110	2	112	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	19	—	19	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	53	—	53	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	1,566	—	—	—	49	49	39	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	166	—	—	—	1	1	130	—
Korea, South	—	666	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	13	—	—	—	—	—	—	—
Mexico	—	13	—	—	8	1,518	1,526	—	—
Netherlands	—	—	—	—	332	460	792	88	—
Norway	—	15	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	4	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	13	—	13	23	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	652	20	672	4	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	475	0	0	82	1,144	1,226	77	0
Total	—	9,517	12	998	2,260	6,442	9,700	383	36
Persian Gulf¹	—	4,759	—	—	—	684	684	7	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	106	—	20,287	75,503	305	112	417
Algeria	—	—	—	—	—	4,576	7,613	17	25	42
Angola	—	—	—	—	—	905	3,845	16	5	21
Congo (Brazzaville)	—	—	—	—	—	126	126	—	1	1
Equatorial Guinea	—	—	—	—	—	759	759	—	4	4
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	3,169	3,169	—	18	18
Kuwait	—	—	—	—	—	3,326	3,326	—	18	18
Libya	—	—	—	—	—	—	6,186	34	—	34
Nigeria	—	—	—	—	—	1,168	32,692	174	6	181
Saudi Arabia	—	—	—	—	—	4,728	16,257	64	26	90
United Arab Emirates	—	—	—	106	—	1,530	1,530	—	8	8
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	485	2	4,759	602	—	170,014	219,498	273	939	1,213
Argentina	—	—	—	—	—	1,684	3,305	9	9	18
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	5,814	5,814	—	32	32
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	4	—	3,337	3,337	—	18	18
Brazil	—	—	—	—	—	942	1,569	3	5	9
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	762	762	—	4	4
Canada	421	—	4,430	418	—	60,984	82,623	120	337	456
Chad	—	—	—	—	—	—	—	—	—	—
China	50	—	—	—	—	50	50	—	0	0
Colombia	—	—	72	—	—	3,795	4,296	3	21	24
Denmark	—	—	—	—	—	120	120	—	1	1
Ecuador	—	—	—	—	—	113	113	—	1	1
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	2,946	2,946	—	16	16
France	—	—	—	22	—	4,096	4,096	—	23	23
Germany	—	—	—	60	—	1,811	1,811	—	10	10
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	14,762	14,762	—	82	82
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	31	5	—	7,707	7,707	—	43	43
Korea, South	2	—	—	62	—	730	730	—	4	4
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	711	711	—	4	4
Malaysia	—	—	—	—	—	231	231	—	1	1
Mexico	—	—	—	—	—	3,538	16,542	72	20	91
Netherlands	—	—	—	28	—	15,184	15,184	—	84	84
Norway	—	—	—	—	—	5,999	7,736	10	33	43
Oman	—	—	—	—	—	38	38	—	0	0
Portugal	—	—	—	—	—	5,378	5,378	—	30	30
Qatar	—	—	—	—	—	1,106	1,106	—	6	6
Russia	—	—	—	—	—	—	—	—	—	—
Spain	3	—	24	—	—	8,975	8,975	—	50	50
Sweden	—	—	—	2	—	1,390	1,390	—	8	8
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	9,965	13,583	20	55	75
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	9	2	202	1	—	7,846	14,583	36	42	80
Total	485	2	4,759	708	—	190,301	295,001	578	1,051	1,630
Persian Gulf⁴	—	—	—	106	—	13,859	25,388	64	77	140

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	506,540	9,794	1,548	19	-	-	-	-	2,783	2,783
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	506,540	9,794	1,548	19	-	-	-	-	2,783	2,783
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	-	-	-	0	0
Total	506,540	9,794	1,548	19	-	-	-	-	2,783	2,783
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	553	—	—	1,616	23	53	—	1,692	20	26
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	553	—	—	1,616	23	53	—	1,692	20	26
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	—	—	0	0	0	—	0	0	0
Total	—	553	—	—	1,616	23	53	—	1,692	20	26
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	62	—	44	407	451	544	428
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	62	—	44	407	451	544	428
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	0	—	0	0	0	0	0
Total	—	—	62	—	44	407	451	544	428
Persian Gulf⁴	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	89	106	3,861	1,402	—	23,378	529,918	2,799	129	2,928
Argentina	—	—	—	1	—	1	1	—	0	0
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	11	—	11	11	—	0	0
Brazil	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	85	106	3,861	1,380	—	23,352	529,892	2,799	129	2,928
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	8	—	8	8	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	1	—	1	1	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	4	0	0	1	—	5	5	0	0	0
Total	89	106	3,861	1,402	—	23,378	529,918	2,799	129	2,928
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	56,388	—	—	33,059	—	34	34	130	331	461
Algeria	—	—	—	446	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	3,790	—	—	21,039	—	—	—	—	—	—
Kuwait	2,940	—	—	807	—	—	—	—	69	69
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	29,693	—	—	10,357	—	—	—	—	262	262
United Arab Emirates	—	—	—	410	—	34	34	130	—	130
Venezuela	19,965	—	—	—	—	—	—	—	—	—
Non-OPEC	218,078	9	—	47,012	—	320	320	162	7,845	8,007
Argentina	—	—	—	—	—	25	25	—	91	91
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	50	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1,807	—	—	—	—	262	262
Brazil	2,595	—	—	6,165	—	250	250	—	337	337
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	617	—	—	—	—	—	—	—	—	—
Canada	69,614	9	—	1,159	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	23,825	—	—	37	—	—	—	—	32	32
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	2,393	—	—	—	—	—	—
Egypt	—	—	—	47	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	61	61
Guatemala	281	—	—	—	—	—	—	—	—	—
India	—	—	—	1,585	—	—	—	162	3,009	3,171
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	453	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	1,768	1,768
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	3,655	—	—	—	—	—	—
Mexico	112,868	—	—	22,840	—	—	—	—	230	230
Netherlands	383	—	—	644	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	263	263
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	317	—	—	—	—	306	306
Sweden	—	—	—	199	—	40	40	—	50	50
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	3,537	—	—	—	—	—	—	—	—	—
United Kingdom	3,858	—	—	408	—	5	5	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	500	0	—	5,253	—	0	0	0	1,436	1,436
Total	274,466	9	—	80,071	—	354	354	292	8,176	8,468
Persian Gulf⁴	36,423	—	—	32,613	—	34	34	130	331	461

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1,425	53	5	833	-	-	-	833	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	52	-	-	-	52	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	481	-	-	-	481	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	53	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	883	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	256	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	300	-	-	-	300	-	-
Netherlands	-	37	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	249	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	5	0	-	-	-	0	-	-
Total	-	1,425	53	5	833	-	-	-	833	-	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	—	—	—	3	332	335	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	3	—	3	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	162	162	—	—
Kuwait	—	—	—	—	—	170	170	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	2,840	65	1,325	7,971	9,361	1,429	687
Argentina	—	—	—	—	179	—	179	—	87
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	21	—	—	580	580	—	16
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	446	65	—	146	211	—	24
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	49	—	—	—	—	—	99
Germany	—	—	28	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	136	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	2,089	—	—	—	—	519	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	336	336	—	—
Mexico	—	—	—	—	—	6,581	6,581	269	461
Netherlands	—	—	170	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	40	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	30	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	37	0	1,146	328	1,474	435	0
Total	—	—	2,840	65	1,328	8,303	9,696	1,429	687
Persian Gulf¹	—	—	—	—	—	332	332	40	—

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	134	—	848	—	34,871	91,259	312	193	504
Algeria	—	—	—	—	—	446	446	—	2	2
Angola	—	—	—	—	—	3	3	—	0	0
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	21,201	24,991	21	117	138
Kuwait	—	—	—	—	—	1,046	3,986	16	6	22
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	10,619	40,312	164	59	223
United Arab Emirates	—	134	—	848	—	1,556	1,556	—	9	9
Venezuela	—	—	—	—	—	—	19,965	110	—	110
Non-OPEC	53	1,593	—	5,362	—	79,004	297,082	1,205	436	1,641
Argentina	—	543	—	5	—	930	930	—	5	5
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	50	50	—	0	0
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	364	—	364	364	—	2	2
Belgium	—	—	—	8	—	2,077	2,077	—	11	11
Brazil	—	128	—	—	—	7,549	10,144	14	42	56
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	617	3	—	3
Canada	—	—	—	—	—	1,849	71,463	385	10	395
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	308	—	—	—	858	24,683	132	5	136
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	2,393	2,393	—	13	13
Egypt	—	—	—	—	—	47	47	—	0	0
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	53	53	—	0	0
France	—	—	—	20	—	168	168	—	1	1
Germany	—	—	—	20	—	992	992	—	5	5
Guatemala	—	—	—	—	—	—	281	2	—	2
India	—	—	—	—	—	4,892	4,892	—	27	27
Indonesia	—	—	—	477	—	477	477	—	3	3
Italy	—	—	—	36	—	745	745	—	4	4
Korea, South	—	—	—	2,033	—	6,409	6,409	—	35	35
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	24	—	—	—	—	4,015	4,015	—	22	22
Mexico	—	—	—	—	—	30,681	143,549	624	170	793
Netherlands	—	140	—	305	—	1,296	1,679	2	7	9
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	132	—	—	—	395	395	—	2	2
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	2,078	—	2,118	2,118	—	12	12
Russia	—	—	—	—	—	—	—	—	—	—
Spain	1	—	—	13	—	886	886	—	5	5
Sweden	—	—	—	1	—	290	290	—	2	2
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	3,537	20	—	20
United Kingdom	12	25	—	—	—	480	4,338	21	3	24
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	16	317	—	2	—	8,990	9,490	2	50	54
Total	53	1,727	—	6,210	—	113,875	388,341	1,516	629	2,146
Persian Gulf⁴	—	134	—	3,290	—	36,904	73,327	201	204	405

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	45,577	3,857	1	-	-	-	-	-	490	490
Canada	45,577	3,857	1	-	-	-	-	-	490	490
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	45,577	3,857	1	-	-	-	-	-	490	490
	PAD District 5									
OPEC	78,914	275	-	4,764	-	-	-	-	310	310
Algeria	-	-	-	3,840	-	-	-	-	-	-
Angola	3,042	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	1,029	275	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	36,559	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	7,297	-	-	-	-	-	-	-	-	-
Nigeria	946	-	-	-	-	-	-	-	-	-
Saudi Arabia	28,613	-	-	924	-	-	-	-	-	-
United Arab Emirates	1,428	-	-	-	-	-	-	-	310	310
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	145,442	9,099	-	5,200	-	4,049	4,049	777	7,513	8,290
Argentina	5,734	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	339	-	-	-	-	-	-	-	-	-
Brazil	21,854	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	53,681	8,931	-	904	-	212	212	-	346	346
China	-	-	-	-	-	323	323	-	-	-
Colombia	10,263	-	-	-	-	-	-	-	-	-
Ecuador	22,606	-	-	624	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	21	21
Indonesia	-	-	-	134	-	-	-	-	-	-
Japan	-	-	-	46	-	214	214	-	415	415
Korea, South	-	-	-	-	-	2,213	2,213	-	2,244	2,244
Malaysia	-	-	-	131	-	-	-	-	77	77
Mexico	5,922	-	-	1,079	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	458	338	796
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	517	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	87	-	-	-	-	295	295
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	976	976
United Kingdom	-	-	-	-	-	-	-	-	402	402
Vietnam	285	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	24,241	168	-	2,195	-	1,087	1,087	319	2,399	2,718
Total	224,356	9,374	-	9,964	-	4,049	4,049	777	7,823	8,600
Persian Gulf ⁴	67,117	-	-	924	-	-	-	-	310	310

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
	PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	62	-	-	349	-	-	-	349	-	1
Canada	-	62	-	-	349	-	-	-	349	-	1
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	-	-	0	-	0
Total	-	62	-	-	349	-	-	-	349	-	1
	PAD District 5										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	841	3,989	-	2,917	-	2	-	2,919	-	10
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	496	-	-	2,100	-	2	-	2,102	-	10
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	345	-	-	817	-	-	-	817	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	61	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	3,928	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	0	-	0	-	0	-	0
Total	-	841	3,989	-	2,917	-	2	-	2,919	-	10
Persian Gulf ⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
	PAD District 4								
OPEC	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	236	1	11	4	—	15	—	—
Canada	—	236	1	11	4	—	15	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Other	—	0	0	0	0	—	0	—	—
Total	—	236	1	11	4	—	15	—	—
	PAD District 5								
OPEC	—	—	—	—	198	—	198	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	95	—	95	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	103	—	103	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	16,779	131	858	1,766	37	2,661	151	—
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	305	137	—	442	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Canada	—	252	131	—	368	37	405	—	—
China	—	935	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Japan	—	1,764	—	194	96	—	290	—	—
Korea, South	—	11,764	—	—	—	—	—	—	—
Malaysia	—	—	—	119	—	—	119	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Singapore	—	408	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Taiwan	—	304	—	—	—	—	—	151	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Other	—	1,352	0	240	1,165	0	1,405	0	—
Total	—	16,779	131	858	1,964	37	2,859	151	—
Persian Gulf ⁴	—	—	—	—	198	—	198	—	—

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2023
(Thousand Barrels) — Continued

Country of Origin								Daily Average		
								Crude Oil	Products	Total
	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products			
	PAD District 4									
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	464	—	—	5,476	51,053	252	30	282
Canada	—	—	464	—	—	5,476	51,053	252	30	282
Ecuador	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	—	—	0	0	0	0	0
Total	—	—	464	—	—	5,476	51,053	252	30	282
	PAD District 5									
OPEC	—	—	—	—	—	5,547	84,461	436	31	467
Algeria	—	—	—	—	—	3,840	3,840	—	21	21
Angola	—	—	—	—	—	—	3,042	17	—	17
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	6	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	36,559	202	—	202
Kuwait	—	—	—	—	—	95	95	—	1	1
Libya	—	—	—	—	—	—	7,297	40	—	40
Nigeria	—	—	—	—	—	—	946	5	—	5
Saudi Arabia	—	—	—	—	—	924	29,537	158	5	163
United Arab Emirates	—	—	—	—	—	413	1,841	8	2	10
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	70	—	520	150	—	54,859	200,301	804	303	1,107
Argentina	—	—	—	—	—	—	5,734	32	—	32
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	442	781	2	2	4
Brazil	—	—	—	—	—	—	21,854	121	—	121
Brunei	—	—	—	—	—	—	—	—	—	—
Canada	—	—	412	28	—	14,229	67,910	297	79	375
China	18	—	—	—	—	1,276	1,276	—	7	7
Colombia	—	—	—	—	—	—	10,263	57	—	57
Ecuador	—	—	—	—	—	624	23,230	125	3	128
Finland	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	21	21	—	0	0
Indonesia	—	—	—	—	—	134	134	—	1	1
Japan	—	—	—	—	—	2,729	2,729	—	15	15
Korea, South	—	—	—	30	—	17,413	17,413	—	96	96
Malaysia	—	—	—	—	—	327	327	—	2	2
Mexico	—	—	—	—	—	1,079	7,001	33	6	39
Netherlands	—	—	—	—	—	857	857	—	5	5
Oman	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	92	—	92	609	3	1	3
Singapore	—	—	—	—	—	4,718	4,718	—	26	26
Sweden	—	—	—	—	—	—	—	—	—	—
Taiwan	52	—	—	—	—	1,483	1,483	—	8	8
United Kingdom	—	—	—	—	—	402	402	—	2	2
Vietnam	—	—	—	—	—	—	285	2	—	2
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Other	0	—	108	0	—	9,033	33,274	132	50	184
Total	70	—	520	150	—	60,406	284,762	1,240	334	1,573
Persian Gulf ⁴	—	—	—	92	—	1,524	68,641	371	8	379

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form FIA-814 "Monthly Imports Report"

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, June 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	–	2,352	110,966	–	1,300	114,618	3,821
Hydrocarbon Gas Liquids	9,570	5,452	58,074	13	2,728	75,837	2,528
Natural Gas Liquids	9,570	5,452	58,074	13	2,728	75,837	2,528
Ethane	2,187	3,359	9,855	0	1	15,403	513
Propane	5,468	134	38,238	3	1,189	45,031	1,501
Normal Butane	1,866	129	9,850	3	1,535	13,383	446
Isobutane	1	2	62	–	3	67	2
Natural Gasoline	48	1,828	70	6	1	1,952	65
Other Liquids	294	4,171	9,944	97	459	14,964	499
Hydrogen/Biofuels/Other Hydrocarbons	41	1,412	1,712	40	308	3,513	117
Hydrogen	–	–	–	–	–	–	–
Biofuels	41	1,412	1,712	40	308	3,513	117
Fuel Ethanol	39	1,000	1,447	27	162	2,675	89
Biodiesel	2	412	265	13	147	839	28
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels ²	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	250	2,616	6,372	57	20	9,314	310
Naphthas and Lighter	7	2,408	6,264	–	5	8,684	289
Kerosene and Light Gas Oils	243	207	108	57	15	630	21
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	2	144	1,860	–	130	2,137	71
Reformulated	0	–	21	–	0	21	1
Conventional	2	144	1,840	–	130	2,116	71
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	2,132	802	83,235	13	9,234	95,416	3,181
Finished Motor Gasoline	53	178	21,859	1	1,219	23,309	777
Reformulated	–	–	–	–	–	–	–
Conventional	53	178	21,859	1	1,219	23,309	777
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	462	44	4,305	–	618	5,430	181
Kerosene	4	1	50	–	1	55	2
Distillate Fuel Oil	671	30	31,416	–	3,700	35,817	1,194
15 ppm sulfur and under	660	1	27,776	–	3,372	31,808	1,060
Greater than 15 ppm to 500 ppm sulfur	10	3	2,086	–	2	2,101	70
Greater than 500 ppm sulfur	1	27	1,554	–	327	1,908	64
Residual Fuel Oil	3	1	4,172	–	359	4,535	151
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	–	–	1,254	–	314	1,568	52
Special Naphthas	–	–	–	–	–	–	–
Lubricants	289	203	2,654	10	86	3,242	108
Waxes	72	33	20	–	5	129	4
Petroleum Coke	478	215	17,110	–	2,906	20,708	690
Asphalt and Road Oil	81	97	336	2	26	542	18
Miscellaneous Products	19	0	60	0	1	80	3
Total	11,996	12,777	262,219	123	13,721	300,836	10,028

– = Not Applicable.

– = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-June 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	1,440	15,208	703,248	—	2,353	722,249	3,990
Hydrocarbon Gas Liquids	49,589	35,191	374,947	48	11,092	470,868	2,601
Natural Gas Liquids	49,589	35,191	374,947	48	11,092	470,868	2,601
Ethane	12,975	13,259	63,056	1	1	89,292	493
Propane	25,985	866	243,196	9	5,973	276,029	1,525
Normal Butane	10,359	666	67,297	3	5,033	83,358	461
Isobutane	4	10	697	—	11	722	4
Natural Gasoline	266	20,390	701	35	75	21,467	119
Other Liquids	1,228	22,122	57,912	330	3,566	85,158	470
Hydrogen/Biofuels/Other Hydrocarbons	764	6,783	10,579	242	1,588	19,955	110
Hydrogen	—	—	—	—	—	—	—
Biofuels	764	6,783	10,579	242	1,588	19,955	110
Fuel Ethanol	741	5,310	9,468	193	1,120	16,831	93
Biodiesel	24	1,473	1,111	49	468	3,124	17
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels ²	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	446	14,917	37,129	87	958	53,537	296
Naphthas and Lighter	144	14,509	34,360	0	30	49,043	271
Kerosene and Light Gas Oils	302	408	2,769	86	929	4,495	25
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	17	423	10,204	2	1,020	11,665	64
Reformulated	1	—	242	—	4	247	1
Conventional	16	423	9,962	2	1,016	11,418	63
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	11,748	5,353	456,975	108	53,395	527,579	2,915
Finished Motor Gasoline	636	1,494	136,072	5	5,611	143,819	795
Reformulated	—	—	—	—	—	—	—
Conventional	636	1,494	136,072	5	5,611	143,819	795
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	1,255	194	24,888	—	4,060	30,396	168
Kerosene	26	5	627	—	2	660	4
Distillate Fuel Oil	2,942	357	171,565	0	17,904	192,768	1,065
15 ppm sulfur and under	2,180	13	146,818	0	15,438	164,450	909
Greater than 15 ppm to 500 ppm sulfur	606	35	16,063	—	597	17,301	96
Greater than 500 ppm sulfur	156	308	8,684	—	1,868	11,016	61
Residual Fuel Oil	1,808	1	19,548	—	3,664	25,021	138
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	155	—	5,567	—	364	6,086	34
Special Naphthas	—	—	—	—	—	—	—
Lubricants	1,447	1,136	15,680	91	1,315	19,669	109
Waxes	417	194	120	1	27	759	4
Petroleum Coke	2,526	1,597	80,167	0	20,290	104,581	578
Asphalt and Road Oil	443	367	2,344	9	156	3,320	18
Miscellaneous Products	93	8	397	0	1	499	3
Total	64,006	77,874	1,593,081	487	70,407	1,805,854	9,977

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, June 2023
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	0	—	0	—	—	—	—	—	—
Australia	—	62	—	1	—	0	0	—	—	—
Bahamas	—	54	—	150	—	425	425	—	0	0
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	785	—	963	—	—	—	—	—	—
Belize	—	26	—	—	—	45	45	—	—	—
Brazil	2,992	1,376	—	1,378	—	—	—	—	—	—
Canada	11,450	5,546	—	2,681	—	348	348	—	963	963
Cayman Islands	—	0	—	—	—	32	32	—	—	—
Chile	—	1,379	—	7	—	612	612	—	—	—
China	9,136	16,729	—	8	—	—	—	—	—	—
Colombia	—	22	—	593	—	1,201	1,201	—	—	—
Costa Rica	—	188	—	11	—	300	300	—	—	—
Denmark	694	—	—	—	—	—	—	—	—	—
Dominican Republic	986	1,140	—	0	—	1,096	1,096	1	0	1
Ecuador	—	1,072	—	—	—	598	598	—	—	—
Egypt	—	1,346	—	—	—	—	—	—	—	—
El Salvador	—	154	—	0	—	496	496	—	—	—
Finland	—	305	—	—	—	—	—	—	—	—
France	3,505	580	—	0	—	—	—	—	—	—
Germany	2,612	—	—	7	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	586	—	7	—	1,561	1,561	0	—	0
Honduras	—	374	—	4	—	571	571	—	—	—
Hong Kong	—	—	—	0	—	—	—	—	—	—
India	4,329	2,648	—	1	—	—	—	—	—	—
Indonesia	—	1,520	—	0	—	—	—	—	—	—
Ireland	630	—	—	0	—	—	—	—	—	—
Israel	—	—	—	—	—	—	—	—	—	—
Italy	5,263	—	—	1	—	—	—	—	—	—
Jamaica	—	59	—	1	—	239	239	—	—	—
Japan	—	12,960	—	342	—	303	303	0	—	0
Korea, South	9,106	6,092	—	5	—	1	1	0	0	0
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	4,359	—	881	—	12,670	12,670	20	1,152	1,172
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	2,132	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	26,784	3,361	—	1,300	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—	—	—
Nicaragua	290	—	—	—	—	159	159	—	—	—
Nigeria	—	379	—	—	—	—	—	—	—	—
Norway	—	1,272	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	—	330	—	0	—	731	731	—	—	—
Peru	374	364	—	273	—	896	896	—	—	—
Philippines	—	263	—	0	—	—	—	—	—	—
Portugal	757	283	—	—	—	—	—	—	—	—
Puerto Rico	—	4	—	1	—	4	4	0	0	0
Romania	—	—	—	0	—	—	—	—	—	—
Saudi Arabia	—	—	—	1	—	1	1	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	9,014	1,136	—	9	—	—	—	—	0	0
South Africa	196	512	—	4	—	—	—	—	—	—
Spain	5,835	1,839	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	0	0	—	—	—
Taiwan	10,766	580	—	1	—	—	—	—	—	—
Thailand	—	—	—	2	—	—	—	—	—	—
Trinidad and Tobago	—	2	—	—	—	559	559	—	—	—
Turkiye	878	1,074	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	0	—	—	—	—	0	0
United Kingdom	8,024	920	—	0	—	0	0	—	—	—
Venezuela	—	0	—	451	—	—	—	—	—	—
Other	997	2,024	—	231	—	461	461	—	1	1
Total	114,618	75,837	—	9,314	—	23,309	23,309	21	2,116	2,137

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, June 2023
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	0	0	NA	NA	1,504	294	—	—	1,798	—	—
Australia	0	—	NA	NA	—	—	—	—	—	—	—
Bahamas	—	—	NA	NA	379	—	383	—	762	—	—
Bahrain	—	—	NA	NA	—	—	—	—	—	—	—
Belgium	0	—	NA	NA	297	—	—	—	297	—	—
Belize	0	—	NA	NA	1	40	—	—	41	—	—
Brazil	0	—	NA	NA	1,115	—	—	—	1,115	—	—
Canada	1,213	796	NA	NA	1	13	64	—	78	5	—
Cayman Islands	—	—	NA	NA	85	—	—	—	85	—	—
Chile	0	—	NA	NA	3,564	—	—	—	3,564	1	—
China	0	—	NA	NA	2	—	—	—	2	—	—
Colombia	130	—	NA	NA	302	—	0	—	302	—	—
Costa Rica	0	—	NA	NA	1,142	—	—	—	1,142	1	—
Denmark	—	—	NA	NA	—	—	—	—	—	—	—
Dominican Republic	0	—	NA	NA	534	—	236	—	770	—	—
Ecuador	—	—	NA	NA	1,735	—	—	—	1,735	—	—
Egypt	0	—	NA	NA	—	—	—	—	—	—	—
El Salvador	—	—	NA	NA	125	286	—	—	411	—	—
Finland	—	—	NA	NA	—	—	—	—	—	—	—
France	—	—	NA	NA	1,100	—	—	—	1,100	—	—
Germany	0	1	NA	NA	—	—	—	—	—	—	—
Ghana	—	—	NA	NA	—	—	—	—	—	—	—
Gibraltar	—	—	NA	NA	—	—	—	—	—	—	—
Greece	—	—	NA	NA	—	—	—	—	—	—	—
Guatemala	0	—	NA	NA	6	623	86	—	715	0	—
Honduras	—	—	NA	NA	1	359	143	—	503	7	—
Hong Kong	0	—	NA	NA	—	—	—	—	—	—	—
India	0	—	NA	NA	—	—	—	—	—	—	—
Indonesia	—	—	NA	NA	—	—	—	—	—	—	—
Ireland	1	—	NA	NA	—	—	—	—	—	—	—
Israel	1	—	NA	NA	0	—	—	—	0	0	—
Italy	—	—	NA	NA	—	—	—	—	—	—	—
Jamaica	11	—	NA	NA	52	—	—	—	52	0	—
Japan	0	—	NA	NA	0	—	—	—	0	—	—
Korea, South	244	—	NA	NA	0	—	—	—	0	—	—
Lebanon	—	—	NA	NA	—	—	—	—	—	—	—
Mexico	98	1	NA	NA	8,120	0	7	—	8,126	1	—
Montenegro	—	—	NA	NA	—	—	—	—	—	—	—
Morocco	—	—	NA	NA	—	—	—	—	—	—	—
Mozambique	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands	375	—	NA	NA	2,378	—	—	—	2,378	—	—
New Zealand	—	—	NA	NA	—	—	—	—	—	—	—
Nicaragua	—	—	NA	NA	109	121	—	—	230	40	—
Nigeria	79	—	NA	NA	—	—	—	—	—	—	—
Norway	34	—	NA	NA	—	—	—	—	—	—	—
Pakistan	—	—	NA	NA	—	—	—	—	—	—	—
Panama	—	—	NA	NA	3,340	26	340	—	3,706	0	—
Peru	131	40	NA	NA	2,609	—	60	—	2,670	0	—
Philippines	0	—	NA	NA	—	—	—	—	—	—	—
Portugal	—	—	NA	NA	330	—	—	—	330	—	—
Puerto Rico	6	—	NA	NA	50	1	—	—	51	0	—
Romania	—	—	NA	NA	—	—	—	—	—	—	—
Saudi Arabia	—	—	NA	NA	—	—	—	—	—	0	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore	25	—	NA	NA	320	—	—	—	320	0	—
South Africa	—	—	NA	NA	—	—	—	—	—	—	—
Spain	0	—	NA	NA	—	—	—	—	—	—	—
Switzerland	2	—	NA	NA	—	—	—	—	—	—	—
Taiwan	1	—	NA	NA	0	—	—	—	0	0	—
Thailand	0	—	NA	NA	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	NA	NA	110	—	140	—	250	—	—
Turkiye	—	—	NA	NA	—	—	—	—	—	—	—
United Arab Emirates	0	—	NA	NA	0	—	—	—	0	0	—
United Kingdom	322	—	NA	NA	1,795	—	—	—	1,795	—	—
Venezuela	—	—	NA	NA	0	1	—	—	1	—	—
Other	2	1	NA	NA	702	337	449	—	1,488	—	—
Total	2,675	839	NA	NA	31,808	2,101	1,908	—	35,817	55	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, June 2023
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	—	—	—	489	—	65	1	—
Australia	—	—	—	—	—	—	0	204
Bahamas	—	53	—	330	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	1
Belize	—	10	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	2	1,875
Canada	—	1,106	—	345	—	—	99	464
Cayman Islands	—	6	—	0	—	—	—	—
Chile	—	291	—	0	—	—	1	—
China	—	0	—	1	—	—	1	1,535
Colombia	—	—	—	—	—	—	0	—
Costa Rica	—	174	—	—	—	—	0	55
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	—	224	—	230	—	—	0	—
Ecuador	—	—	—	—	—	—	—	—
Egypt	—	—	—	414	—	200	—	565
El Salvador	—	189	—	—	—	—	—	220
Finland	—	—	—	—	—	—	—	—
France	—	100	—	—	—	—	0	—
Germany	—	—	—	1	—	—	1	0
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	248
Guatemala	—	55	—	—	—	—	0	543
Honduras	—	59	—	0	—	—	—	51
Hong Kong	—	—	—	—	—	—	0	—
India	—	0	—	223	—	577	2	4,604
Indonesia	—	—	—	—	—	—	0	—
Ireland	—	—	—	—	—	—	—	178
Israel	—	—	—	—	—	—	—	117
Italy	—	—	—	—	—	29	—	696
Jamaica	—	84	—	—	—	—	0	—
Japan	—	—	—	0	—	—	1	1,384
Korea, South	—	—	—	286	—	—	0	285
Lebanon	—	—	—	—	—	—	—	123
Mexico	—	1,810	—	286	—	86	17	1,578
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	818
Mozambique	—	—	—	—	—	—	—	41
Netherlands	—	—	—	860	—	—	1	150
New Zealand	—	—	—	—	—	—	0	99
Nicaragua	—	0	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	131
Pakistan	—	—	—	—	—	—	—	—
Panama	—	434	—	46	—	—	0	288
Peru	—	153	—	—	—	—	0	0
Philippines	—	—	—	—	—	—	0	569
Portugal	—	—	—	—	—	—	0	220
Puerto Rico	—	250	—	—	—	—	0	—
Romania	—	—	—	—	—	—	0	—
Saudi Arabia	—	—	—	—	—	—	—	1
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	—	—	79	—	314	0	0
South Africa	—	—	—	—	—	63	0	37
Spain	—	—	—	1	—	—	0	983
Switzerland	—	—	—	—	—	—	0	—
Taiwan	—	—	—	—	—	—	0	—
Thailand	—	—	—	—	—	234	0	272
Trinidad and Tobago	—	—	—	—	—	—	0	—
Turkiye	—	—	—	—	—	—	0	1,055
United Arab Emirates	—	—	—	110	—	—	0	0
United Kingdom	—	—	—	0	—	—	0	—
Venezuela	—	—	—	—	—	—	—	—
Other	—	432	—	834	—	—	3	1,318
Total	—	5,430	—	4,535	—	1,568	129	20,708

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, June 2023
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	0	61	—	2,415	2,415	—	80	80
Australia	—	3	1	272	272	—	9	9
Bahamas	2	3	0	1,779	1,779	—	59	59
Bahrain	—	—	—	—	—	—	—	—
Belgium	0	177	1	2,224	2,224	—	74	74
Belize	—	0	0	122	122	—	4	4
Brazil	0	415	1	6,163	9,155	100	205	305
Canada	167	280	5	14,096	25,547	382	470	852
Cayman Islands	1	1	—	126	126	—	4	4
Chile	—	112	0	5,968	5,968	—	199	199
China	9	8	0	18,294	27,430	305	610	914
Colombia	0	61	0	2,309	2,309	—	77	77
Costa Rica	42	9	—	1,923	1,923	—	64	64
Denmark	—	0	—	0	694	23	0	23
Dominican Republic	0	24	—	3,486	4,472	33	116	149
Ecuador	0	41	9	3,454	3,454	—	115	115
Egypt	—	0	—	2,525	2,525	—	84	84
El Salvador	—	34	—	1,503	1,503	—	50	50
Finland	—	0	—	305	305	—	10	10
France	—	1	—	1,780	5,286	117	59	176
Germany	3	2	—	15	2,627	87	1	88
Ghana	—	0	—	0	0	—	0	0
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	0	—	248	248	—	8	8
Guatemala	—	19	—	3,487	3,487	—	116	116
Honduras	41	12	—	1,621	1,621	—	54	54
Hong Kong	—	1	0	1	1	—	0	0
India	0	242	0	8,297	12,626	144	277	421
Indonesia	1	2	—	1,522	1,522	—	51	51
Ireland	—	0	—	179	809	21	6	27
Israel	—	1	0	119	119	—	4	4
Italy	—	0	—	726	5,989	175	24	200
Jamaica	—	6	0	452	452	—	15	15
Japan	2	3	4	14,999	14,999	—	500	500
Korea, South	0	8	0	6,924	16,031	304	231	534
Lebanon	—	0	—	123	123	—	4	4
Mexico	102	1,250	51	32,488	32,488	—	1,083	1,083
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	0	—	2,950	2,950	—	98	98
Mozambique	—	—	—	41	41	—	1	1
Netherlands	1	17	1	8,444	35,227	893	281	1,174
New Zealand	—	0	—	99	99	—	3	3
Nicaragua	—	5	—	433	723	10	14	24
Nigeria	—	85	—	543	543	—	18	18
Norway	—	0	—	1,438	1,438	—	48	48
Pakistan	—	0	—	0	0	—	0	0
Panama	44	44	—	5,622	5,622	—	187	187
Peru	—	66	0	4,593	4,967	12	153	166
Philippines	—	0	0	833	833	—	28	28
Portugal	—	0	—	833	1,590	25	28	53
Puerto Rico	80	15	0	412	412	—	14	14
Romania	—	0	—	0	0	—	0	0
Saudi Arabia	—	1	—	5	5	—	0	0
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	26	—	1,910	10,924	300	64	364
South Africa	0	56	—	672	868	7	22	29
Spain	0	0	—	2,823	8,658	194	94	289
Switzerland	—	0	—	2	2	—	0	0
Taiwan	—	4	0	587	11,352	359	20	378
Thailand	0	2	—	511	511	—	17	17
Trinidad and Tobago	—	3	0	815	815	—	27	27
Türkiye	1	64	—	2,194	3,072	29	73	102
United Arab Emirates	2	8	0	121	121	—	4	4
United Kingdom	—	29	—	3,067	11,091	267	102	370
Venezuela	—	4	—	457	457	—	15	15
Other	44	37	7	6,868	7,864	34	233	266
Total	542	3,242	80	186,218	300,836	3,821	6,207	10,028

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-June 2023
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	0	—	264	—	893	893	—	—	—
Australia	5,330	1,756	—	9	—	0	0	2	0	2
Bahamas	—	296	—	1,489	—	3,147	3,147	—	1,593	1,593
Bahrain	—	—	—	0	—	1	1	0	0	0
Belgium	—	10,970	—	4,258	—	0	0	—	—	—
Belize	—	191	—	—	—	474	474	—	—	—
Brazil	9,407	5,573	—	5,981	—	1,981	1,981	0	0	0
Canada	57,835	35,764	—	15,394	—	3,755	3,755	—	4,673	4,673
Cayman Islands	—	17	—	—	—	100	100	0	0	0
Chile	1,419	7,981	—	660	—	5,050	5,050	—	—	—
China	93,375	81,358	—	40	—	—	—	—	0	0
Colombia	6,170	373	—	4,982	—	3,595	3,595	—	—	—
Costa Rica	—	686	—	57	—	4,638	4,638	0	—	0
Denmark	10,086	—	—	56	—	—	—	0	—	0
Dominican Republic	3,974	6,814	—	270	—	3,808	3,808	1	0	1
Ecuador	—	6,400	—	618	—	3,635	3,635	—	—	—
Egypt	—	9,594	—	—	—	—	—	—	—	—
El Salvador	—	1,652	—	1	—	2,565	2,565	—	1	1
Finland	5,364	2,180	—	1	—	—	—	—	—	—
France	28,603	3,821	—	108	—	0	0	—	—	—
Germany	15,832	183	—	355	—	—	—	—	—	—
Ghana	—	694	—	0	—	—	—	—	—	—
Gibraltar	—	1,490	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	0	0	—	—	—
Guatemala	—	2,651	—	22	—	10,363	10,363	0	—	0
Honduras	—	3,568	—	19	—	3,471	3,471	—	1	1
Hong Kong	—	—	—	4	—	1	1	—	—	—
India	32,738	19,096	—	17	—	—	—	—	—	—
Indonesia	3,526	14,551	—	1	—	—	—	—	—	—
Ireland	7,029	—	—	0	—	0	0	1	—	1
Israel	746	1	—	3	—	0	0	—	—	—
Italy	26,313	1,335	—	657	—	—	—	—	—	—
Jamaica	—	565	—	1	—	1,207	1,207	0	0	0
Japan	3,068	87,145	—	1,857	—	304	304	2	—	2
Korea, South	63,567	33,328	—	10	—	3	3	1	2	2
Lebanon	—	—	—	—	—	0	0	—	—	—
Mexico	—	35,044	—	4,979	—	81,810	81,810	239	4,575	4,815
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	12,713	—	—	—	—	—	—	—	—
Mozambique	—	—	—	1	—	—	—	—	—	—
Netherlands	106,985	15,422	—	4,930	—	325	325	—	—	—
New Zealand	—	0	—	0	—	0	0	—	—	—
Nicaragua	1,660	156	—	0	—	473	473	—	0	0
Nigeria	—	2,383	—	1	—	—	—	—	—	—
Norway	4,280	8,123	—	802	—	—	—	—	—	—
Pakistan	—	—	—	—	—	0	0	—	—	—
Panama	5,818	1,962	—	301	—	4,339	4,339	0	16	17
Peru	4,153	2,444	—	678	—	4,802	4,802	—	239	239
Philippines	—	263	—	2	—	—	—	—	—	—
Portugal	3,339	1,369	—	—	—	—	—	—	—	—
Puerto Rico	—	48	—	105	—	14	14	0	0	0
Romania	—	—	—	2	—	—	—	—	—	—
Saudi Arabia	—	0	—	5	—	2	2	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	48,107	5,607	—	868	—	134	134	0	0	0
South Africa	1,044	3,350	—	7	—	326	326	—	315	315
Spain	35,634	5,324	—	54	—	—	—	—	—	—
Switzerland	—	799	—	0	—	0	0	—	—	—
Taiwan	41,910	1,161	—	6	—	2	2	0	—	0
Thailand	10,328	1	—	8	—	—	—	—	—	—
Trinidad and Tobago	—	5	—	2	—	561	561	—	—	—
Turkiye	1,707	4,761	—	0	—	—	—	0	—	0
United Arab Emirates	—	2	—	0	—	4	4	0	0	0
United Kingdom	54,005	6,750	—	1,225	—	3	3	—	—	—
Venezuela	—	1	—	1,797	—	0	0	0	—	0
Other	28,897	23,147	—	630	—	2,033	2,033	1	3	3
Total	722,249	470,868	—	53,537	—	143,819	143,819	247	11,418	11,665

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-June 2023
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	0	0	NA	NA	5,511	601	2,168	—	8,281	0	—
Australia	0	—	NA	NA	3	—	2	—	5	—	—
Bahamas	0	—	NA	NA	1,519	155	1,605	—	3,279	5	—
Bahrain	1	—	NA	NA	0	—	—	—	0	—	—
Belgium	1	—	NA	NA	1,230	—	—	—	1,230	171	—
Belize	1	—	NA	NA	94	255	1	—	351	—	—
Brazil	1	—	NA	NA	8,994	275	0	—	9,269	295	—
Canada	7,037	2,881	NA	NA	288	806	410	—	1,503	22	—
Cayman Islands	0	—	NA	NA	436	—	—	—	436	—	—
Chile	1	—	NA	NA	22,618	—	—	—	22,618	2	—
China	4	0	NA	NA	4	—	—	—	4	—	—
Colombia	547	—	NA	NA	1,871	1	0	—	1,872	0	—
Costa Rica	1	—	NA	NA	4,696	—	—	—	4,696	1	—
Denmark	—	—	NA	NA	507	302	—	—	809	—	—
Dominican Republic	1	0	NA	NA	2,961	25	1,176	—	4,162	1	—
Ecuador	0	—	NA	NA	9,726	855	280	—	10,861	—	—
Egypt	88	—	NA	NA	0	—	—	—	0	—	—
El Salvador	0	—	NA	NA	487	1,864	—	—	2,351	0	—
Finland	16	—	NA	NA	—	—	0	—	0	—	—
France	0	—	NA	NA	2,466	—	—	—	2,466	0	—
Germany	0	8	NA	NA	0	—	—	—	0	0	—
Ghana	—	—	NA	NA	—	—	—	—	—	—	—
Gibraltar	—	—	NA	NA	327	—	—	—	327	—	—
Greece	66	—	NA	NA	0	—	—	—	0	—	—
Guatemala	0	—	NA	NA	2,075	5,031	189	—	7,295	1	—
Honduras	0	—	NA	NA	632	1,770	541	—	2,943	7	—
Hong Kong	0	—	NA	NA	—	—	—	—	—	—	—
India	1,072	—	NA	NA	131	—	0	—	131	—	—
Indonesia	0	1	NA	NA	—	—	—	—	—	—	—
Ireland	3	—	NA	NA	—	—	—	—	—	—	—
Israel	5	—	NA	NA	0	—	—	—	0	0	—
Italy	0	—	NA	NA	—	—	—	—	—	—	—
Jamaica	344	0	NA	NA	480	115	80	—	675	0	—
Japan	1	—	NA	NA	1	—	—	—	1	0	—
Korea, South	1,443	0	NA	NA	8	—	—	—	8	0	—
Lebanon	—	—	NA	NA	1	—	—	—	1	—	—
Mexico	681	2	NA	NA	53,140	422	21	—	53,583	8	—
Montenegro	—	—	NA	NA	—	—	—	—	—	—	—
Morocco	—	—	NA	NA	—	—	—	—	—	—	—
Mozambique	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands	1,768	—	NA	NA	6,590	749	—	—	7,339	0	—
New Zealand	—	—	NA	NA	0	—	—	—	0	—	—
Nicaragua	0	—	NA	NA	1,003	436	124	—	1,563	138	—
Nigeria	214	—	NA	NA	0	—	—	—	0	0	—
Norway	101	4	NA	NA	295	—	—	—	295	—	—
Pakistan	—	—	NA	NA	1	—	—	—	1	—	—
Panama	0	0	NA	NA	9,145	993	453	—	10,591	1	—
Peru	692	218	NA	NA	9,920	—	60	—	9,981	0	—
Philippines	284	—	NA	NA	0	—	—	—	0	0	—
Portugal	—	—	NA	NA	634	—	—	—	634	—	—
Puerto Rico	28	—	NA	NA	994	2	—	—	996	0	—
Romania	0	—	NA	NA	—	—	—	—	—	—	—
Saudi Arabia	236	—	NA	NA	6	—	—	—	6	0	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore	122	8	NA	NA	1,249	123	1,474	—	2,845	0	—
South Africa	—	—	NA	NA	—	—	—	—	—	—	—
Spain	59	—	NA	NA	570	620	—	—	1,190	—	—
Switzerland	12	—	NA	NA	1,626	—	—	—	1,626	—	—
Taiwan	3	—	NA	NA	1	—	—	—	1	0	—
Thailand	0	—	NA	NA	—	—	—	—	—	—	—
Trinidad and Tobago	0	—	NA	NA	493	—	140	—	633	—	—
Turkiye	—	—	NA	NA	80	—	—	—	80	0	—
United Arab Emirates	122	—	NA	NA	2	—	—	—	2	2	—
United Kingdom	1,664	0	NA	NA	8,387	—	—	—	8,387	0	—
Venezuela	0	—	NA	NA	5	1	—	—	6	—	—
Other	212	2	NA	NA	3,243	1,900	2,292	—	7,435	6	—
Total	16,831	3,124	NA	NA	164,450	17,301	11,016	—	192,768	660	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-June 2023
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	—	19	—	524	—	135	3	119
Australia	—	—	—	—	—	—	4	967
Bahamas	—	497	—	1,883	—	—	—	—
Bahrain	—	0	—	—	—	—	—	116
Belgium	—	—	—	—	—	—	0	580
Belize	—	81	—	—	—	—	—	—
Brazil	—	309	—	557	—	—	12	10,397
Canada	—	5,154	—	2,560	—	6	565	4,225
Cayman Islands	—	108	—	0	—	—	—	—
Chile	—	2,590	—	1,176	—	—	2	0
China	—	0	—	16	—	—	17	13,963
Colombia	—	—	—	—	—	—	1	1
Costa Rica	—	1,088	—	114	—	—	0	237
Denmark	—	—	—	778	—	—	0	184
Dominican Republic	—	1,229	—	602	—	—	1	574
Ecuador	—	—	—	—	—	—	0	790
Egypt	—	—	—	414	—	728	—	840
El Salvador	—	428	—	—	—	—	0	495
Finland	—	—	—	0	—	—	—	—
France	—	375	—	270	—	—	1	627
Germany	—	—	—	2	—	—	11	305
Ghana	—	—	—	—	—	—	—	117
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	1,589
Guatemala	—	715	—	0	—	—	2	2,017
Honduras	—	293	—	0	—	—	0	1,503
Hong Kong	—	—	—	—	—	—	1	598
India	—	1	—	358	—	2,879	7	17,729
Indonesia	—	—	—	—	—	—	1	121
Ireland	—	—	—	—	—	—	—	379
Israel	—	667	—	—	—	—	0	632
Italy	—	—	—	—	—	211	0	2,985
Jamaica	—	822	—	101	—	—	0	182
Japan	—	—	—	1	—	—	4	8,728
Korea, South	—	0	—	1,404	—	—	2	820
Lebanon	—	—	—	—	—	—	—	123
Mexico	—	8,540	—	1,557	—	341	104	8,422
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	331	—	—	—	3,627
Mozambique	—	—	—	—	—	—	—	494
Netherlands	—	—	—	4,991	—	—	6	1,150
New Zealand	—	—	—	—	—	—	0	198
Nicaragua	—	38	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	0	—
Norway	—	—	—	—	—	—	0	636
Pakistan	—	—	—	—	—	—	0	—
Panama	—	2,882	—	2,636	—	—	0	288
Peru	—	1,221	—	0	—	—	0	0
Philippines	—	—	—	—	—	—	0	1,136
Portugal	—	—	—	450	—	—	0	603
Puerto Rico	—	518	—	—	—	—	0	—
Romania	—	—	—	—	—	—	0	138
Saudi Arabia	—	—	—	0	—	—	0	104
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	10	—	200	—	364	0	398
South Africa	—	—	—	0	—	200	0	449
Spain	—	0	—	2	—	—	2	2,639
Switzerland	—	—	—	—	—	—	0	—
Taiwan	—	—	—	—	—	—	1	1
Thailand	—	—	—	0	—	1,222	1	575
Trinidad and Tobago	—	130	—	65	—	—	0	0
Turkiye	—	—	—	1	—	—	0	5,460
United Arab Emirates	—	—	—	604	—	—	0	907
United Kingdom	—	0	—	1	—	—	1	731
Venezuela	—	0	—	—	—	—	0	—
Other	—	2,681	—	3,423	—	—	10	4,682
Total	—	30,396	—	25,021	—	6,086	759	104,581

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-June 2023
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	107	285	24	10,655	10,655	—	59	59
Australia	0	27	3	2,773	8,104	29	15	45
Bahamas	13	17	3	12,220	12,220	—	68	68
Bahrain	0	1	—	119	119	—	1	1
Belgium	2	2,078	6	19,294	19,294	—	107	107
Belize	—	3	0	1,101	1,101	—	6	6
Brazil	0	1,991	3	36,371	45,778	52	201	253
Canada	791	1,604	40	85,974	143,808	320	475	795
Cayman Islands	6	7	—	674	674	—	4	4
Chile	130	405	0	40,613	42,033	8	224	232
China	25	53	4	95,484	188,859	516	528	1,043
Colombia	1	580	8	11,960	18,130	34	66	100
Costa Rica	259	84	0	11,862	11,862	—	66	66
Denmark	—	0	—	1,828	11,913	56	10	66
Dominican Republic	218	159	1	17,840	21,815	22	99	121
Ecuador	0	291	25	22,622	22,622	—	125	125
Egypt	—	1	—	11,665	11,665	—	64	64
El Salvador	—	157	—	7,650	7,650	—	42	42
Finland	—	2	—	2,198	7,562	30	12	42
France	—	249	—	7,917	36,519	158	44	202
Germany	16	14	0	894	16,726	87	5	92
Ghana	—	2	—	812	812	—	4	4
Gibraltar	—	—	—	1,817	1,817	—	10	10
Greece	—	2	—	1,658	1,658	—	9	9
Guatemala	—	96	23	23,184	23,184	—	128	128
Honduras	218	64	0	12,086	12,086	—	67	67
Hong Kong	—	4	1	608	608	—	3	3
India	3	799	2	42,094	74,832	181	233	413
Indonesia	4	19	0	14,698	18,225	19	81	101
Ireland	—	0	0	384	7,412	39	2	41
Israel	—	395	1	1,703	2,449	4	9	14
Italy	1	1	0	5,190	31,504	145	29	174
Jamaica	—	30	1	3,927	3,927	—	22	22
Japan	7	36	18	98,103	101,171	17	542	559
Korea, South	2	68	1	37,091	100,658	351	205	556
Lebanon	—	2	—	127	127	—	1	1
Mexico	698	6,778	275	207,635	207,635	—	1,147	1,147
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	0	—	16,671	16,671	—	92	92
Mozambique	—	0	—	496	496	—	3	3
Netherlands	5	266	1	36,203	143,188	591	200	791
New Zealand	286	4	—	489	489	—	3	3
Nicaragua	—	21	—	2,388	4,048	9	13	22
Nigeria	182	667	—	3,447	3,447	—	19	19
Norway	—	2	0	9,962	14,242	24	55	79
Pakistan	—	0	—	1	1	—	0	0
Panama	158	257	5	23,438	29,256	32	129	162
Peru	0	415	39	20,731	24,884	23	115	137
Philippines	—	4	1	1,690	1,690	—	9	9
Portugal	—	0	—	3,057	6,395	18	17	35
Puerto Rico	83	93	0	1,887	1,887	—	10	10
Romania	—	1	—	140	140	—	1	1
Saudi Arabia	—	43	0	398	398	—	2	2
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	0	85	0	10,642	58,749	266	59	325
South Africa	0	349	—	4,996	6,040	6	28	33
Spain	0	9	—	9,278	44,912	197	51	248
Switzerland	1	0	—	2,438	2,438	—	13	13
Taiwan	0	18	1	1,195	43,105	232	7	238
Thailand	4	23	1	1,835	12,163	57	10	67
Trinidad and Tobago	0	39	0	1,435	1,435	—	8	8
Türkiye	1	286	—	10,590	12,297	9	59	68
United Arab Emirates	7	353	0	2,005	2,005	—	11	11
United Kingdom	0	42	0	18,804	72,809	298	104	402
Venezuela	—	52	—	1,857	1,857	—	10	10
Other	92	336	12	44,701	73,598	160	246	407
Total	3,320	19,669	499	1,083,605	1,805,854	3,990	5,987	9,977

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, June 2023
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins ²	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	1,040	-11	-	241	-	0	0	-	45	45
Algeria	17	-	-	61	-	-	-	-	1	1
Angola	47	-	-	-	-	-	-	-	1	1
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	2	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	182	-	-	129	-	-	-	-	-	-
Kuwait	20	-	-	8	-	-	-	-	-	-
Libya	112	-	-	-	-	-	-	-	-	-
Nigeria	154	-13	-	-	-	-	-	-	-	-
Saudi Arabia	383	-	-	58	-	0	0	-	44	44
United Arab Emirates	-	-	-	1	-	-	-	-	0	0
Venezuela	126	0	-	-15	-	-	-	-	-	-
Non-OPEC	1,633	-2,405	18	110	-	-637	-637	140	553	693
Argentina	32	0	-	0	-	-	-	-	7	7
Aruba	-	-	-	0	-	-4	-4	-	-	-
Australia	11	-2	-	2	-	0	0	-	-	-
Bahamas	-	-2	-	-5	-	24	24	-	22	22
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-26	-	-32	-	16	16	5	22	27
Brazil	120	-46	-	24	-	-	-	-	8	8
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	3,391	-74	18	-37	-	0	0	67	33	100
Chad	-	-	-	-	-	-	-	-	-	-
China	-305	-558	-	0	-	-	-	-	-	-
Colombia	204	-1	-	-10	-	-40	-40	-	-	-
Denmark	-23	-	-	-	-	-	-	-	-	-
Dominican Republic	-33	-38	-	0	-	-37	-37	0	0	0
Ecuador	88	-36	-	-	-	-20	-20	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-10	-	-	-	0	0	0	24	25
France	-117	-19	-	0	-	4	4	6	2	7
Germany	-87	-	-	0	-	0	0	3	1	4
Guatemala	-	-20	-	0	-	-52	-52	0	-	0
Honduras	-	-12	-	0	-	-19	-19	-	-	-
India	-144	-88	-	18	-	4	4	-	104	104
Indonesia	-	-51	-	0	-	-	-	-	-	-
Italy	-175	-	-	6	-	2	2	-	38	38
Japan	-	-432	-	-11	-	-10	-10	0	0	0
Korea, South	-304	-203	-	0	-	13	13	0	16	16
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	1	1	1	1	2
Malaysia	-	-	-	19	-	0	0	-	-	-
Mexico	834	-145	-	143	-	-422	-422	-1	-38	-39
Netherlands	-893	-112	-	-33	-	14	14	11	80	91
Norway	-	-42	-	-	-	1	1	4	48	53
Oman	-	-	-	-	-	-	-	-	-	-
Panama	-	-11	-	0	-	-24	-24	-	-	-
Portugal	-25	-9	-	8	-	-	-	-	44	44
Puerto Rico	-	0	-	0	-	0	0	0	0	0
Qatar	-	-	-	-	-	0	0	0	-	0
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-194	-61	-	-	-	19	19	0	62	62
Sweden	-33	-25	-	-	-	4	4	1	10	11
Trinidad and Tobago	64	0	-	-	-	-19	-19	-	-	-
United Kingdom	-208	-31	-	0	-	13	13	42	25	67
Vietnam	10	-	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-6	-	0	-	-6	-6	-	0	0
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-580	-345	0	18	-	-99	-99	1	44	44
Total	2,673	-2,416	18	352	-	-637	-637	140	598	739
Persian Gulf⁵	585	-	-	196	-	0	0	0	44	44

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, June 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-3	-	-	-	0	0	-	-	0	0	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-3	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	0	-
United Arab Emirates	0	-	-	-	0	-	-	-	0	0	-
Venezuela	-	-	-	-	0	0	-	-	0	-	-
Non-OPEC	-87	6	23	0	-923	-70	-64	-	-1,056	-2	0
Argentina	0	0	-	-	-50	-10	-	-	-60	-	-
Aruba	-	-	-	-	-1	-	-	-	-1	-	-
Australia	0	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-13	-	-13	-	-25	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	0	-	-	-	-10	-	-	-	-10	-	-
Brazil	0	-	-	-	-37	-	-	-	-37	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	9	-	-	-	9	-	-
Canada	-40	-17	-	-	127	0	-2	-	125	0	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	-	-	-	0	-	-	-	0	-	-
Colombia	-4	-	-	-	-10	-	0	-	-10	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	-	-18	-	-8	-	-26	-	-
Ecuador	-	-	-	-	-58	-	-	-	-58	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-37	-	-	-	-37	-	-
Germany	0	21	-	-	-	-	-	-	-	-	-
Guatemala	0	-	-	-	0	-21	-3	-	-24	0	-
Honduras	-	-	-	-	0	-12	-5	-	-17	0	-
India	0	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Japan	0	-	-	-	0	-	-	-	0	-	-
Korea, South	-8	3	-	-	2	-	-	-	2	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	0	-	-	-	0	-	-
Malaysia	0	-	-	-	-	-	-	-	-	-	-
Mexico	-3	0	-	-	-271	0	0	-	-271	0	-
Netherlands	-12	-	-	-	-79	-	-	-	-79	-	-
Norway	-1	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-111	-1	-11	-	-124	0	-
Portugal	-	-	-	-	-11	-	-	-	-11	-	-
Puerto Rico	0	-	-	-	-2	0	-	-	-2	0	-
Qatar	0	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	0	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-4	-	-5	-	-8	-	-
United Kingdom	-11	-	-	-	-60	-	-	-	-60	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-19	-	-13	-	-32	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-8	-1	23	0	-270	-26	-4	-	-300	-2	0
Total	-89	6	23	0	-923	-70	-64	-	-1,056	-2	0
Persian Gulf⁵	0	-	-	-	0	-	-	-	0	0	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, June 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks ²		Waxes	Petroleum Coke
					Naphtha	Other Oils		
OPEC	—	23	—	9	—	—	0	4
Algeria	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—
Kuwait	—	23	—	9	—	—	—	—
Libya	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	0
United Arab Emirates	—	—	—	0	—	—	0	4
Venezuela	—	—	—	—	—	—	—	—
Non-OPEC	—	-60	20	-56	12	-46	-1	-674
Argentina	—	—	—	-16	—	-1	0	3
Aruba	—	-3	—	0	—	—	—	—
Australia	—	—	—	15	—	—	0	-7
Bahamas	—	-2	—	-11	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	0
Brazil	—	—	—	0	—	—	0	-60
Brunei	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—
Canada	—	-23	4	1	3	2	-1	-15
Chad	—	—	—	—	—	—	—	—
China	—	0	—	0	—	—	1	-51
Colombia	—	—	—	—	—	—	0	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	—	-7	—	-8	—	—	0	—
Ecuador	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—
France	—	-3	—	—	—	1	0	—
Germany	—	—	—	0	—	—	0	0
Guatemala	—	-2	—	—	—	—	0	-18
Honduras	—	-2	—	0	—	—	—	-2
India	—	0	—	-7	—	-19	0	-153
Indonesia	—	—	—	—	—	—	0	—
Italy	—	—	—	—	—	-1	—	-23
Japan	—	20	—	0	—	—	0	-46
Korea, South	—	72	16	-10	4	—	0	-10
Latvia	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—
Malaysia	—	—	—	9	—	—	0	-10
Mexico	—	-60	—	11	1	-1	-1	-53
Netherlands	—	—	—	-22	—	—	0	-5
Norway	—	—	—	—	—	—	—	-4
Oman	—	—	—	—	—	—	—	4
Panama	—	-14	—	-2	—	—	0	-10
Portugal	—	—	—	—	—	—	0	-7
Puerto Rico	—	-8	—	—	—	—	0	—
Qatar	—	—	—	—	0	—	—	—
Russia	—	—	—	—	—	—	—	—
Spain	—	—	—	0	—	—	0	-33
Sweden	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	0	—
United Kingdom	—	—	—	0	—	—	0	—
Vietnam	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	-11	—	-25	—	—	—	—
Yemen	—	—	—	—	—	—	—	—
Other	—	-17	0	9	4	-27	0	-174
Total	—	-37	20	-48	12	-46	-1	-670
Persian Gulf⁵	—	23	—	9	0	—	0	4

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, June 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products ⁴	Total Crude Oil and Products ⁴
OPEC	0	4	0	313	1,354
Algeria	—	—	—	61	78
Angola	—	—	—	1	48
Congo (Brazzaville)	—	—	—	—	—
Equatorial Guinea	—	0	—	2	2
Gabon	—	0	—	0	0
Iran	—	—	—	—	—
Iraq	—	0	—	129	311
Kuwait	—	0	—	40	60
Libya	—	0	—	0	112
Nigeria	—	-3	—	-18	136
Saudi Arabia	—	0	—	101	484
United Arab Emirates	0	7	0	13	13
Venezuela	—	0	—	-15	111
Non-OPEC	32	-67	-3	-4,178	-2,545
Argentina	0	-2	—	-69	-37
Aruba	—	0	—	-8	-8
Australia	—	0	0	7	19
Bahamas	0	0	0	0	0
Bahrain	—	—	—	—	—
Belgium	0	-6	0	-31	-31
Brazil	0	-14	0	-124	-4
Brunei	—	—	—	—	—
Cameroon	—	—	—	9	9
Canada	43	0	0	87	3,478
Chad	—	—	—	—	—
China	0	0	0	-609	-914
Colombia	0	-2	0	-67	136
Denmark	—	0	—	0	-23
Dominican Republic	0	-1	—	-116	-149
Ecuador	0	-1	0	-115	-27
Estonia	—	—	—	—	—
Finland	—	0	—	15	15
France	—	0	—	-47	-164
Germany	0	0	—	25	-62
Guatemala	—	-1	—	-116	-116
Honduras	-1	0	—	-54	-54
India	0	-8	0	-150	-295
Indonesia	0	2	—	-48	-48
Italy	—	0	—	22	-154
Japan	0	0	0	-480	-480
Korea, South	0	12	0	-92	-396
Latvia	—	0	—	0	0
Lithuania	—	0	0	3	3
Malaysia	—	0	0	18	18
Mexico	-3	-42	-2	-887	-53
Netherlands	0	1	0	-159	-1,051
Norway	—	0	—	5	5
Oman	—	0	—	4	4
Panama	-1	-1	—	-187	-187
Portugal	—	0	—	25	0
Puerto Rico	-3	-1	0	-14	-14
Qatar	0	11	—	11	11
Russia	—	0	—	0	0
Spain	1	0	—	-12	-206
Sweden	—	0	—	-10	-43
Trinidad and Tobago	—	0	0	-27	37
United Kingdom	—	-1	—	-22	-229
Vietnam	0	0	—	0	9
Virgin Islands, U.S.	0	0	—	-81	-81
Yemen	—	—	—	—	—
Other	-4	-13	-1	-884	-1,463
Total	32	-63	-3	-3,865	-1,192
Persian Gulf⁵	0	18	0	294	879

-- = Not Applicable.

— = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Quantities are gross imports because exports are excluded from EIA data.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-June 2023
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins ²	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	1,053	-7	-	223	-	0	0	3	40	43
Algeria	17	-	-	31	-	-	-	-	11	11
Angola	33	-	-	-	-	-	-	-	5	5
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	6	6	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	223	-	-	131	-	-	-	-	-	-
Kuwait	16	0	-	4	-	0	0	-	0	0
Libya	74	0	-	-	-	-	-	-	-	-
Nigeria	179	-13	-	1	-	-	-	-	3	3
Saudi Arabia	386	0	-	62	-	0	0	-	18	18
United Arab Emirates	8	0	-	2	-	0	0	3	3	6
Venezuela	110	0	-	-10	-	0	0	0	-	0
Non-OPEC	1,342	-2,437	18	47	-	-666	-666	143	373	517
Argentina	41	0	-	0	-	-5	-5	-	8	8
Aruba	-	0	-	0	-	-2	-2	-	-	-
Australia	-28	-10	-	0	-	0	0	0	0	0
Bahamas	-	-2	-	-8	-	9	9	1	2	2
Bahrain	-	-	-	0	-	0	0	0	0	0
Belgium	-	-61	-	-12	-	7	7	2	9	11
Brazil	87	-31	-	2	-	-10	-10	0	5	5
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	3	-	-	-	-	-	-	-	-	-
Canada	3,532	-47	18	-65	-	-10	-10	74	35	109
Chad	-	-	-	-	-	-	-	-	-	-
China	-516	-449	-	0	-	2	2	-	0	0
Colombia	157	-2	-	-21	-	-20	-20	-	1	1
Denmark	-56	-	-	0	-	0	0	0	0	0
Dominican Republic	-22	-38	-	-1	-	-21	-21	0	0	0
Ecuador	125	-35	-	13	-	-20	-20	-	-	-
Estonia	-	-	-	-	-	-1	-1	-	-	-
Finland	-30	-12	-	0	-	2	2	2	11	13
France	-158	-21	-	1	-	11	11	3	9	12
Germany	-87	-1	-	-2	-	0	0	1	1	1
Guatemala	2	-15	-	0	-	-57	-57	0	-	0
Honduras	-	-20	-	0	-	-19	-19	-	0	0
India	-181	-106	-	16	-	4	4	3	75	78
Indonesia	-19	-80	-	1	-	-	-	-	-	-
Italy	-145	-7	-	2	-	2	2	2	34	35
Japan	-17	-481	-	-10	-	0	0	0	4	4
Korea, South	-351	-184	-	0	-	12	12	0	22	22
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-24	-	-	-	-	1	1	0	3	3
Malaysia	-7	-	-	21	-	0	0	-	1	1
Mexico	728	-194	-	116	-	-452	-452	-1	-24	-25
Netherlands	-589	-85	-	-19	-	12	12	20	43	63
Norway	-14	-45	-	-4	-	10	10	4	19	23
Oman	-	-	-	0	-	0	0	-	2	2
Panama	-32	-11	-	-2	-	-24	-24	0	0	0
Portugal	-18	-8	-	1	-	0	0	0	28	28
Puerto Rico	-	0	-	-1	-	0	0	0	0	0
Qatar	3	0	-	0	-	0	0	0	-	0
Russia	-	-	-	0	-	-	-	-	-	-
Spain	-197	-29	-	3	-	8	8	0	38	38
Sweden	-67	-63	-	-1	-	3	3	0	5	5
Trinidad and Tobago	31	1	-	0	-	-3	-3	-	-	-
United Kingdom	-257	-37	-	-3	-	7	7	34	10	45
Vietnam	2	0	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-8	-6	-	0	-	-7	-7	-	0	0
Yemen	-	-	-	0	-	-	-	-	-	-
Other	-546	-358	0	20	-	-105	-105	-2	32	33
Total	2,394	-2,444	18	271	-	-666	-666	147	414	560
Persian Gulf⁵	636	0	-	201	-	0	0	3	21	24

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-June 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-3	-	-	-	6	0	-	-	6	0	-
Algeria	-	-	-	-	0	-	-	-	0	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	0	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	0	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-1	-	-	-	2	-	-	-	2	0	-
Saudi Arabia	-1	-	-	-	4	-	-	-	4	0	-
United Arab Emirates	-1	-	-	-	0	-	-	-	0	0	-
Venezuela	0	-	-	-	0	0	-	-	0	-	-
Non-OPEC	-90	14	23	0	-718	-95	-60	-	-874	-1	0
Argentina	0	0	-	-	-30	-3	-12	-	-46	0	-
Aruba	0	-	-	-	-1	-	-	-	-1	0	-
Australia	0	-	-	-	0	-	0	-	0	-	-
Bahamas	0	-	-	-	-8	-1	-9	-	-18	0	-
Bahrain	0	-	-	-	0	-	-	-	0	-	-
Belgium	0	-	-	-	-6	-	-	-	-6	-1	-
Brazil	0	0	-	-	-49	-2	0	-	-51	-2	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	4	-	-	-	4	-	-
Canada	-39	-7	-	-	142	-4	-2	-	136	0	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	-	-	0	-	-	-	0	-	-
Colombia	-3	-	-	-	-4	0	0	-	-4	0	-
Denmark	-	-	-	-	-3	-2	-	-	-4	-	-
Dominican Republic	0	0	-	-	-16	0	-6	-	-23	0	-
Ecuador	0	-	-	-	-54	-5	-2	-	-60	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	0	-	1	-	-	-	0	-	0	-	-
France	0	-	-	-	-14	-	-	-	-14	0	-
Germany	0	13	-	-	0	-	-	-	0	0	-
Guatemala	0	-	-	-	-11	-28	-1	-	-40	0	-
Honduras	0	-	-	-	-3	-10	-3	-	-16	0	-
India	-6	-	-	-	16	-	0	-	16	3	-
Indonesia	0	0	-	-	-	-	-	-	-	-	-
Italy	0	3	-	-	-	-	-	-	-	-	-
Japan	0	-	-	-	0	-	-	-	0	0	-
Korea, South	-8	2	-	-	4	-	-	-	4	0	-
Latvia	-	-	-	-	-1	-	-	-	-1	0	-
Lithuania	-	-	-	-	0	-	-	-	0	-	-
Malaysia	0	-	-	-	-	-	-	-	-	-	-
Mexico	-4	0	-	-	-292	-2	0	-	-294	0	-
Netherlands	-10	0	0	-	-36	-4	1	-	-40	0	0
Norway	-1	0	-	-	-2	-	0	-	-2	-	-
Oman	-	-	-	-	0	-	-	-	0	-	-
Panama	0	0	-	-	-51	-5	-3	-	-59	0	-
Portugal	-	-	-	-	-4	-	-	-	-4	-	-
Puerto Rico	0	-	-	-	-5	0	-	-	-6	0	-
Qatar	0	-	-	-	6	-	-	-	6	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	0	4	-	-	-3	-3	-	-	-6	-	-
Sweden	-1	-	-	-	-1	-	-	-	-1	-	-
Trinidad and Tobago	0	-	-	-	-3	-	-1	-	-3	-	-
United Kingdom	-9	0	-	-	-46	-	-	-	-46	0	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-9	-	-9	-	-18	0	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-9	-1	22	0	-238	-26	-13	-	-277	-1	0
Total	-93	14	23	0	-712	-95	-60	-	-868	-1	0
Persian Gulf⁵	-2	-	-	-	11	-	-	-	11	0	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-June 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks ²		Waxes	Petroleum Coke
					Naphtha	Other Oils		
OPEC	-	26	-	11	0	-	0	-6
Algeria	-	-	-	7	-	-	-	-
Angola	-	-	-	0	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	0	-	3	-	-	-	-
Kuwait	-	18	-	1	-	-	0	-1
Libya	-	-	-	-	-	-	0	-
Nigeria	-	-	-	0	-	-	0	-
Saudi Arabia	-	4	-	2	0	-	0	-1
United Arab Emirates	-	4	-	-3	-	-	0	-4
Venezuela	-	0	-	-	-	-	0	-
Non-OPEC	-	-48	17	-24	14	-27	0	-562
Argentina	-	0	-	-2	-	0	0	2
Aruba	-	-2	-	0	-	-	-	-
Australia	-	-	-	2	-	-	0	-5
Bahamas	-	-3	-	-10	-	-	-	-
Bahrain	-	0	-	-	-	-	-	-1
Belgium	-	-	-	2	-	-	0	-3
Brazil	-	-2	0	1	-	0	0	-57
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	0
Canada	-	-16	4	-3	3	2	0	-23
Chad	-	-	-	-	-	-	-	-
China	-	5	-	0	-	-	0	-77
Colombia	-	-	-	10	-	-	0	2
Denmark	-	-	-	-4	-	-	0	-1
Dominican Republic	-	-7	-	-3	-	-	0	-3
Ecuador	-	-	-	1	-	-	0	-4
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	0	-	-	-	-
France	-	-2	0	-1	-	1	0	-3
Germany	-	-	0	0	-	-	0	-2
Guatemala	-	-4	-	0	-	-	0	-11
Honduras	-	-2	-	0	-	-	0	-8
India	-	9	-	0	1	-16	0	-98
Indonesia	-	-	-	-	-	-	0	-1
Italy	-	1	-	0	1	-1	0	-16
Japan	-	12	0	2	0	-	0	-48
Korea, South	-	69	12	-8	3	-	0	-5
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	0	-
Malaysia	-	0	-	3	-	-	0	-2
Mexico	-	-47	-	36	1	1	-1	-47
Netherlands	-	-	1	-23	0	-	0	-6
Norway	-	0	-	-	-	-	0	-4
Oman	-	-	-	-	0	-	-	-2
Panama	-	-16	-	-15	-	-	0	-2
Portugal	-	-	-	-2	-	-	0	-3
Puerto Rico	-	-3	-	-	-	-	0	-
Qatar	-	-	-	-	0	-	0	-1
Russia	-	-	-	-	-	-	-	-
Spain	-	0	-	0	0	-	0	-15
Sweden	-	-2	-	-	-	-	0	-
Trinidad and Tobago	-	-1	-	0	-	-	0	0
United Kingdom	-	0	-	4	0	-	0	-4
Vietnam	-	0	-	-	-	-	0	0
Virgin Islands, U.S.	-	-8	-	-16	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-	-29	0	2	5	-14	1	-114
Total	-	-21	17	-13	14	-27	0	-568
Persian Gulf⁶	-	26	-	3	0	-	0	-7

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-June 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products ⁴	Total Crude Oil and Products ⁴
OPEC	-1	-1	0	291	1,344
Algeria	—	0	—	49	66
Angola	—	0	—	5	38
Congo (Brazzaville)	—	—	—	—	1
Equatorial Guinea	—	0	—	6	11
Gabon	—	0	—	0	0
Iran	—	—	—	—	—
Iraq	0	0	—	135	357
Kuwait	—	0	0	24	40
Libya	—	0	—	0	74
Nigeria	-1	-4	—	-13	167
Saudi Arabia	—	0	0	88	474
United Arab Emirates	0	3	0	8	16
Venezuela	—	0	—	-10	100
Non-OPEC	36	-61	-3	-4,105	-2,763
Argentina	-1	-2	0	-44	-4
Aruba	—	0	—	-4	-4
Australia	0	0	0	-13	-40
Bahamas	0	0	0	-30	-30
Bahrain	0	2	—	1	1
Belgium	0	-11	0	-75	-75
Brazil	0	-11	0	-154	-67
Brunei	—	0	—	0	0
Cameroon	—	0	—	4	7
Canada	46	1	0	110	3,642
Chad	—	0	—	0	0
China	0	0	0	-520	-1,036
Colombia	0	-3	0	-40	117
Denmark	—	0	—	-9	-65
Dominican Republic	-1	-1	0	-99	-120
Ecuador	0	-2	0	-108	17
Estonia	—	—	—	-1	-1
Finland	—	0	—	4	-25
France	—	-1	—	-19	-177
Germany	0	0	0	11	-77
Guatemala	—	-1	0	-128	-127
Honduras	-1	0	0	-67	-67
India	0	-4	0	-102	-283
Indonesia	0	3	0	-78	-97
Italy	0	0	0	19	-127
Japan	0	0	0	-522	-539
Korea, South	0	11	0	-69	-420
Latvia	—	0	—	-1	-1
Lithuania	—	0	0	4	-20
Malaysia	0	0	0	23	17
Mexico	-4	-37	-2	-952	-224
Netherlands	0	0	0	-104	-693
Norway	—	0	0	-22	-36
Oman	—	0	—	-1	-1
Panama	-1	-1	0	-129	-162
Portugal	—	0	—	13	-6
Puerto Rico	0	-1	0	-10	-10
Qatar	0	12	—	18	21
Russia	—	0	—	0	0
Spain	1	0	—	4	-193
Sweden	—	0	0	-59	-126
Trinidad and Tobago	0	0	0	-7	24
United Kingdom	0	0	0	-44	-301
Vietnam	0	0	0	0	2
Virgin Islands, U.S.	0	-1	—	-55	-62
Yemen	—	0	—	0	0
Other	-3	-14	-1	-850	-1,395
Total	35	-62	-3	-3,813	-1,419
Persian Gulf⁵	0	17	0	273	909

-- = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Quantities are gross imports because exports are excluded from EIA data.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

⁵ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, June 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	7,493	126,290	593,490	24,845	49,774	801,892
Refinery	5,920	13,048	46,254	2,729	22,853	90,804
Tank Farms and Pipelines (Includes Cushing, OK) ...	1,573	113,242	200,078	22,116	23,030	360,039
Cushing, Oklahoma	--	43,369	--	--	--	43,369
Leases	--	--	--	--	--	--
Strategic Petroleum Reserve ¹	--	--	347,158	--	--	347,158
Alaskan In Transit	--	--	--	--	3,891	3,891
Total Stocks, All Oils (excluding Crude Oil)²	134,276	173,062	388,288	26,579	87,464	809,669
Refinery	11,859	48,441	116,465	10,533	45,997	233,295
Bulk Terminal	93,497	86,578	210,950	9,472	36,578	437,075
Pipeline	28,661	36,145	59,144	6,391	4,532	134,873
Natural Gas Processing Plant	259	1,898	1,729	183	357	4,426
Natural Gas Liquids	8,194	49,442	153,886	7,787	4,234	223,543
Refinery	338	3,246	5,179	365	1,368	10,496
Bulk Terminal	5,485	28,023	123,348	2,818	2,509	162,183
Pipeline	2,112	16,275	23,630	4,421	--	46,438
Natural Gas Processing Plant	259	1,898	1,729	183	357	4,426
Ethane	1,219	6,399	42,860	1,056	--	51,534
Refinery	--	--	17	--	--	17
Bulk Terminal	657	2,651	34,218	--	--	37,526
Pipeline	562	3,560	8,602	1,052	--	13,776
Natural Gas Processing Plant	--	188	23	4	--	215
Propane	4,561	20,244	49,992	2,673	1,675	79,145
Refinery	44	885	1,038	60	73	2,100
Bulk Terminal	3,146	14,604	42,032	916	1,492	62,190
Pipeline	1,229	3,828	6,721	1,618	--	13,396
Natural Gas Processing Plant	142	927	201	79	110	1,459
Normal Butane	1,973	12,319	36,670	2,795	2,038	55,795
Refinery	179	1,556	3,056	211	855	5,857
Bulk Terminal	1,513	9,228	29,730	1,898	1,015	43,384
Pipeline	233	1,201	2,965	645	--	5,044
Natural Gas Processing Plant	48	334	919	41	168	1,510
Isobutane	175	1,784	10,777	451	486	13,673
Refinery	115	525	928	77	437	2,082
Bulk Terminal	--	366	8,336	--	--	8,702
Pipeline	44	754	1,198	356	--	2,352
Natural Gas Processing Plant	16	139	315	18	49	537
Natural Gasoline	266	8,696	13,587	812	35	23,396
Refinery	--	280	140	17	3	440
Bulk Terminal	169	1,174	9,032	4	2	10,381
Pipeline	44	6,932	4,144	750	--	11,870
Natural Gas Processing Plant	53	310	271	41	30	705
Refinery Olefins	71	454	1,051	99	136	1,811
Refinery	71	454	1,051	99	136	1,811
Ethylene	--	--	0	--	--	0
Refinery	--	--	0	--	--	0
Propylene	70	373	670	4	21	1,138
Refinery	70	373	670	4	21	1,138
Normal Butylene	1	81	381	95	115	673
Refinery	1	81	381	95	115	673
Isobutylene	0	0	0	0	0	0
Refinery	0	0	0	0	0	0
Other Hydrocarbons	--	12	--	--	--	12
Refinery	--	12	--	--	--	12
Biofuels (Including Fuel Ethanol)²	8,592	9,608	5,630	780	5,457	30,067
Refinery	137	112	883	118	813	2,063
Bulk Terminal	8,432	9,496	4,747	662	4,644	27,981
Pipeline	23	--	--	--	--	23
Fuel Ethanol	7,079	8,432	3,975	381	2,433	22,299
Refinery	126	90	758	111	159	1,244
Bulk Terminal	6,930	8,342	3,217	270	2,274	21,032
Pipeline	23	--	--	--	--	23
Biodiesel	1,459	1,052	822	18	627	3,978
Refinery	11	22	125	7	9	174
Bulk Terminal	1,448	1,030	697	11	618	3,804
Pipeline	--	--	--	--	--	--
Renewable Diesel Fuel	55	105	683	266	2,312	3,421
Refinery	--	--	--	--	645	645
Bulk Terminal	55	105	683	266	1,667	2,776
Pipeline	--	--	--	--	--	--
Other Biofuels³	--	19	151	115	85	370
Refinery	--	--	--	--	--	--
Bulk Terminal	--	19	151	115	85	370
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, June 2023
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	4,220	13,601	46,795	3,201	19,218	87,035
Naphthas and Lighter	828	3,435	10,851	772	2,973	18,859
Refinery	828	3,356	9,685	772	2,758	17,399
Bulk Terminal	--	--	--	--	--	--
Kerosene and Light Gas Oils	353	2,905	8,516	720	3,545	16,039
Refinery	353	2,905	6,701	720	3,531	14,210
Bulk Terminal	--	--	1,815	--	14	1,829
Heavy Gas Oils	2,399	4,853	21,045	1,295	10,332	39,924
Refinery	2,392	4,635	19,119	1,295	8,930	36,371
Bulk Terminal	7	218	1,926	--	1,402	3,553
Residuum	640	2,408	6,383	414	2,368	12,213
Refinery	640	2,408	6,375	414	2,368	12,205
Bulk Terminal	--	--	8	--	--	8
Motor Gasoline Blending Components²	54,354	41,345	77,196	5,721	26,972	205,588
Refinery	3,064	12,406	26,174	2,721	12,567	56,932
Bulk Terminal	39,271	20,240	32,165	2,027	11,777	105,480
Pipeline	12,019	8,699	18,857	973	2,628	43,176
Reformulated - RBOB	19,065	5,651	11,749	--	13,623	50,089
Refinery	976	881	2,237	--	4,853	8,947
Bulk Terminal	12,890	3,096	4,780	--	7,201	27,968
Pipeline	5,199	1,674	4,732	--	1,569	13,174
Conventional	35,289	35,694	65,447	5,721	13,348	155,499
Refinery	2,088	11,525	23,937	2,721	7,714	47,985
Bulk Terminal	26,381	17,144	27,385	2,027	4,575	77,512
Pipeline	6,820	7,025	14,125	973	1,059	30,002
CBOB	28,148	28,990	35,886	4,324	7,187	104,535
Refinery	421	5,617	10,160	1,327	2,191	19,716
Bulk Terminal	21,126	16,458	12,267	2,024	3,941	55,816
Pipeline	6,601	6,915	13,459	973	1,055	29,003
GTAB	403	--	341	--	--	744
Refinery	--	--	--	--	--	--
Bulk Terminal	403	--	341	--	--	744
Pipeline	--	--	--	--	--	--
Other	6,738	6,704	29,220	1,397	6,161	50,220
Refinery	1,667	5,908	13,777	1,394	5,523	28,269
Bulk Terminal	4,852	686	14,777	3	634	20,952
Pipeline	219	110	666	--	4	999
Aviation Gasoline Blending Components	--	--	25	--	--	25
Refinery	--	--	25	--	--	25
Bulk Terminal	--	--	--	--	--	--
Finished Motor Gasoline	2,768	3,873	7,827	1,088	2,018	17,574
Refinery	28	836	3,393	719	714	5,690
Bulk Terminal	770	965	3,967	169	1,268	7,139
Pipeline	1,970	2,072	467	200	36	4,745
Reformulated	4	--	--	--	15	24
Refinery	--	--	--	--	15	15
Bulk Terminal	4	--	--	5	--	9
Pipeline	--	--	--	--	--	--
Reformulated (Blended with Fuel Ethanol)	4	--	--	5	15	24
Refinery	--	--	--	--	15	15
Bulk Terminal	4	--	--	5	--	9
Pipeline	--	--	--	--	--	--
Reformulated (Other)	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Conventional	2,764	3,873	7,827	1,083	2,003	17,550
Refinery	28	836	3,393	719	699	5,675
Bulk Terminal	766	965	3,967	164	1,268	7,130
Pipeline	1,970	2,072	467	200	36	4,745
Conventional (Blended with Fuel Ethanol)	--	242	--	57	38	337
Refinery	--	--	--	54	--	54
Bulk Terminal	--	242	--	3	38	283
Pipeline	--	--	--	--	--	--
Ed55 and Lower	--	242	--	57	--	299
Refinery	--	--	--	54	--	54
Bulk Terminal	--	242	--	3	--	245
Pipeline	--	--	--	--	--	--
Greater than Ed55	--	0	--	--	38	38
Refinery	--	--	--	--	--	--
Bulk Terminal	--	0	--	--	38	38
Pipeline	--	--	--	--	--	--
Conventional (Other)	2,764	3,631	7,827	1,026	1,965	17,213
Refinery	28	836	3,393	665	699	5,621
Bulk Terminal	766	723	3,967	161	1,230	6,847
Pipeline	1,970	2,072	467	200	36	4,745

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, June 2023
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	136	137	399	10	279	961
Refinery	—	36	269	10	182	497
Bulk Terminal	136	101	130	—	97	464
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	11,893	7,351	13,817	757	8,927	42,745
Refinery	480	2,264	5,611	265	3,317	11,937
Bulk Terminal	6,329	3,563	3,524	326	4,906	18,648
Pipeline	5,084	1,524	4,682	166	704	12,160
Kerosene	545	153	597	—	9	1,304
Refinery	62	128	106	—	3	299
Bulk Terminal	468	25	485	—	6	984
Pipeline	15	—	6	—	—	21
Distillate Fuel Oil²	27,185	28,188	41,635	4,045	11,546	112,598
Refinery	1,263	6,566	15,007	1,720	4,882	29,438
Bulk Terminal	18,484	14,047	15,126	1,694	5,500	54,850
Pipeline	7,438	7,575	11,502	631	1,164	28,310
15 ppm sulfur and Under	25,774	27,346	35,345	3,775	10,673	102,912
Refinery	894	5,980	12,374	1,520	4,292	25,060
Bulk Terminal	17,455	14,005	11,951	1,624	5,245	50,279
Pipeline	7,425	7,361	11,020	631	1,136	27,573
Greater than 15 ppm to 500 ppm sulfur	512	283	1,235	203	254	2,487
Refinery	70	66	708	133	253	1,230
Bulk Terminal	442	26	416	70	1	955
Pipeline	—	191	111	—	—	302
Greater than 500 ppm sulfur	899	559	5,055	67	619	7,199
Refinery	299	520	1,925	67	337	3,148
Bulk Terminal	587	16	2,759	—	254	3,616
Pipeline	13	23	371	—	28	435
Residual Fuel Oil	6,693	1,008	18,531	222	3,964	30,418
Refinery	364	844	3,534	222	1,766	6,730
Bulk Terminal	6,329	164	14,997	—	2,198	23,688
Pipeline	—	—	—	—	—	—
Less than 0.31% Sulfur	707	114	1,340	20	994	3,175
Refinery	17	105	52	20	24	218
Bulk Terminal	690	9	1,288	—	970	2,957
0.31% to 1.00% Sulfur	1,609	216	5,205	9	544	7,583
Refinery	127	200	802	9	308	1,446
Bulk Terminal	1,482	16	4,403	—	236	6,137
Greater than 1.00% Percent Sulfur	4,377	678	11,986	193	2,426	19,660
Refinery	220	539	2,680	193	1,434	5,066
Bulk Terminal	4,157	139	9,306	—	992	14,594
Petrochemical Feedstocks	—	566	2,136	—	—	2,702
Refinery	—	566	2,136	—	—	2,702
Naphtha for Petrochemical Feedstock Use	—	452	1,464	—	—	1,916
Other Oils for Petrochemical Feedstock Use	—	114	672	—	—	786
Special Naphthas	46	177	719	—	50	992
Refinery	22	84	711	—	50	867
Bulk Terminal	24	93	8	—	—	125
Lubricants	1,341	809	8,749	—	1,026	11,925
Refinery	773	228	4,900	—	809	6,710
Bulk Terminal	568	581	3,849	—	217	5,215
Waxes	365	71	269	—	—	705
Refinery	365	71	269	—	—	705
Petroleum Coke	—	2,299	3,186	104	899	6,488
Refinery	—	2,299	3,186	104	899	6,488
Asphalt and Road Oil	7,819	13,773	5,104	2,745	2,669	32,110
Refinery	625	4,906	1,688	969	849	9,037
Bulk Terminal	7,194	8,867	3,416	1,776	1,820	23,073
Miscellaneous Products	54	194	736	20	61	1,065
Refinery	54	79	463	20	55	671
Bulk Terminal	—	115	273	—	6	394
Pipeline	—	—	—	—	—	—
Total Stocks, All Oils	141,769	299,352	981,778	51,424	137,238	1,611,561

-- = Not Applicable.

- = No Data Reported.

1 Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

2 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

3 Includes stocks held at biofuel production facilities.

Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, June 2023
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	4	794	798	13,866	28,469	42,335	530
Connecticut	—	—	—	864	35	899	29
Delaware	—	—	—	689	559	1,248	56
District of Columbia	—	—	—	—	—	—	—
Florida	—	365	365	—	7,163	7,163	0
Georgia	—	77	77	—	2,582	2,582	—
Maine	—	—	—	59	514	573	60
Maryland	—	—	—	938	88	1,026	15
Massachusetts	3	—	3	1,349	—	1,349	—
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	186	186	6,746	6,770	13,516	14
New York	1	—	1	602	1,641	2,243	236
North Carolina	—	49	49	—	2,297	2,297	8
Pennsylvania	—	—	—	551	4,599	5,150	56
Rhode Island	—	—	—	682	10	692	—
South Carolina	—	62	62	—	1,129	1,129	13
Vermont	—	—	—	—	11	11	4
Virginia	—	15	15	1,386	891	2,277	39
West Virginia	—	40	40	—	180	180	—
PAD District 2	—	1,801	1,801	3,977	28,669	32,646	153
Illinois	—	55	55	2,208	4,178	6,386	102
Indiana	—	96	96	666	3,222	3,888	1
Iowa	—	40	40	—	1,264	1,264	—
Kansas	—	146	146	—	2,237	2,237	4
Kentucky	—	143	143	361	1,476	1,837	—
Michigan	—	13	13	75	2,595	2,670	—
Minnesota	—	261	261	0	2,023	2,023	—
Missouri	—	126	126	161	635	796	—
Nebraska	—	37	37	—	348	348	—
North Dakota	—	25	25	—	659	659	—
Ohio	—	596	596	—	4,127	4,127	5
Oklahoma	—	132	132	—	2,474	2,474	19
South Dakota	—	10	10	—	267	267	—
Tennessee	—	54	54	—	2,014	2,014	—
Wisconsin	—	67	67	506	1,150	1,656	22
PAD District 3	—	7,360	7,360	7,017	51,322	58,339	591
Alabama	—	91	91	7	1,168	1,175	3
Arkansas	—	93	93	—	849	849	—
Louisiana	—	1,334	1,334	613	11,418	12,031	1
Mississippi	—	1,454	1,454	7	2,182	2,189	—
New Mexico	—	20	20	11	447	458	—
Texas	—	4,368	4,368	6,379	35,258	41,637	587
PAD District 4	5	883	888	—	4,748	4,748	—
Colorado	—	25	25	—	945	945	—
Idaho	—	5	5	—	481	481	—
Montana	—	309	309	—	1,206	1,206	—
Utah	5	93	98	—	1,546	1,546	—
Wyoming	—	451	451	—	570	570	—
PAD District 5	15	1,967	1,982	12,054	12,289	24,344	9
Alaska	—	238	238	—	343	343	6
Arizona	—	99	99	779	309	1,088	—
California	15	356	371	10,978	6,115	17,094	3
Hawaii	—	432	432	—	553	553	—
Nevada	—	237	237	14	421	435	—
Oregon	—	42	42	—	1,119	1,119	—
Washington	—	563	563	283	3,429	3,712	—
U.S. Total	24	12,805	12,829	36,915	125,497	162,412	1,283

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, June 2023
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	18,349	512	886	19,747	6,693	3,332
Connecticut	1,095	—	—	1,095	8	—
Delaware	369	23	59	451	275	7
District of Columbia	—	—	—	—	—	—
Florida	2,321	108	0	2,429	926	198
Georgia	1,420	—	—	1,420	160	8
Maine	663	1	—	664	47	—
Maryland	637	—	—	637	261	—
Massachusetts	871	9	—	880	21	—
New Hampshire	255	—	—	255	25	169
New Jersey	3,267	61	420	3,748	3,696	34
New York	1,741	—	71	1,812	745	1,207
North Carolina	918	—	—	918	20	112
Pennsylvania	2,440	—	104	2,544	293	1,143
Rhode Island	445	—	—	445	—	—
South Carolina	583	—	—	583	101	321
Vermont	9	—	—	9	—	—
Virginia	1,174	266	232	1,672	115	5
West Virginia	141	44	—	185	—	101
PAD District 2	19,985	92	536	20,613	1,008	16,416
Illinois	3,392	—	5	3,397	333	681
Indiana	2,914	—	76	2,990	141	249
Iowa	1,455	1	—	1,456	2	317
Kansas	1,656	—	—	1,656	29	10,310
Kentucky	900	—	—	900	—	367
Michigan	1,531	—	—	1,531	151	3,058
Minnesota	1,186	—	261	1,447	132	298
Missouri	494	20	5	519	—	38
Nebraska	405	—	—	405	—	343
North Dakota	528	—	—	528	32	40
Ohio	2,046	5	125	2,176	75	607
Oklahoma	1,510	66	64	1,640	64	73
South Dakota	271	—	—	271	—	10
Tennessee	930	—	—	930	48	3
Wisconsin	766	—	—	766	1	22
PAD District 3	24,325	1,124	4,684	30,133	18,531	43,271
Alabama	1,071	6	62	1,139	424	15
Arkansas	839	—	—	839	—	43
Louisiana	4,697	462	1,004	6,163	8,544	3,609
Mississippi	960	189	65	1,214	154	3,308
New Mexico	202	—	—	202	114	3
Texas	16,556	467	3,553	20,576	9,295	36,293
PAD District 4	3,144	203	67	3,414	222	1,055
Colorado	614	—	—	614	7	18
Idaho	335	—	—	335	—	—
Montana	959	112	10	1,081	63	46
Utah	510	19	57	586	71	923
Wyoming	726	72	—	798	81	68
PAD District 5	9,537	254	591	10,382	3,964	1,675
Alaska	1,030	—	32	1,062	132	1
Arizona	508	—	—	508	—	837
California	4,062	253	293	4,608	2,328	454
Hawaii	321	1	262	584	661	44
Nevada	279	—	4	283	—	—
Oregon	892	—	—	892	146	—
Washington	2,445	—	—	2,445	697	339
U.S. Total	75,339	2,185	6,764	84,288	30,418	65,749

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, June 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	321	12	0	857	56,190	6,786	3,932	1,701	23,932
Petroleum Products	17,624	21	0	24,742	45,862	15,027	5,093	98,426	23,190
Natural Gas Liquids	7,555	15	0	8,318	35,562	10,617	366	560	9,984
Ethane	6,117	0	—	573	16,120	2,273	—	0	1,022
Propane	919	4	0	5,716	9,798	4,236	258	560	1,176
Normal Butane	191	4	0	1,944	4,983	1,845	105	0	294
Isobutane	322	7	0	86	1,464	636	3	0	992
Natural Gasoline	7	0	—	0	3,198	1,627	—	0	6,500
Refinery Olefins	0	0	—	225	367	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	225	367	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	21	0	—	0	588	—	—	40	255
Motor Gasoline Blending Components	6,651	0	0	1,205	1,316	2,084	0	56,284	6,372
Reformulated - RBOB	0	0	0	0	0	—	0	9,711	4,218
Conventional	6,651	0	0	1,205	1,316	2,084	0	46,573	2,154
CBOB	6,651	0	0	1,205	1,215	2,084	0	45,986	2,068
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	101	—	—	587	86
Biofuels (including Fuel Ethanol)	5	0	0	10,670	5,840	532	4,419	0	3
Fuel Ethanol	0	0	0	10,643	5,626	505	4,185	0	0
Biodiesel	5	0	0	27	214	27	235	0	3
Renewable Diesel Fuel	—	0	0	—	0	—	0	—	—
Other Biofuels ²	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	95	0	0	751	0	101	0	1,276	1,295
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	95	0	0	751	0	101	0	1,276	1,295
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	95	0	0	751	0	101	0	1,276	1,295
Finished Aviation Gasoline	0	0	—	0	0	—	—	134	25
Kerosene-Type Jet Fuel	377	0	0	1,033	55	827	0	15,870	1,240
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	2,864	0	0	1,174	824	809	0	23,313	3,643
15 ppm sulfur and under	2,864	0	0	1,174	824	809	0	23,069	3,538
Greater than 15 ppm to 500 ppm sulfur	0	0	—	—	0	—	—	—	105
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	244	—
Residual Fuel Oil	0	0	—	—	495	—	—	—	0
Petrochemical Feedstocks	0	0	—	0	94	—	—	300	38
Naphtha for Petrochemical Feedstock Use	0	0	—	0	94	—	—	300	38
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—	—	—	25
Lubricants	0	0	0	0	19	—	0	360	166
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	6	0	509	535	10	13	3	16
Asphalt and Road Oil	56	0	0	857	168	46	294	286	121
Miscellaneous Products	0	0	—	—	0	—	—	—	7
Total	17,945	33	0	25,598	102,052	21,813	9,025	100,127	47,122

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, June 2023
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	0	0	27,188	1,215	0	0	0	0
Petroleum Products	0	5,863	0	22,474	5,067	1,963	0	32	54
Natural Gas Liquids	0	58	0	21,162	4,905	70	0	0	0
Ethane	0	—	0	5,818	1,872	—	0	0	0
Propane	0	0	0	7,816	1,507	44	0	0	0
Normal Butane	0	8	0	3,333	445	11	0	0	0
Isobutane	0	50	0	1,283	366	16	0	0	0
Natural Gasoline	0	—	0	2,912	715	—	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	—
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	3,329	0	231	0	1,042	0	0	0
Reformulated - RBOB	—	1,789	0	0	0	0	0	0	—
Conventional	0	1,540	0	231	0	1,042	0	0	0
CBOB	0	1,540	0	231	0	1,042	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	0	1,234	0	0	0	55	0	0	12
Fuel Ethanol	0	352	0	0	0	55	0	0	0
Biodiesel	0	20	0	0	0	0	0	0	12
Renewable Diesel Fuel	—	863	—	—	0	0	—	0	—
Other Biofuels ²	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	369	0	87	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	369	0	87	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	369	0	87	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	261	0	12	0	23	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	0	892	0	396	0	281	0	0	0
15 ppm sulfur and under	0	892	0	396	0	281	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	0	0	—	—	0	—
Greater than 500 ppm sulfur	—	—	0	—	0	—	0	0	—
Residual Fuel Oil	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	0	0	0	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	14	0	0	0	0	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	238	22	108	0	32	3
Asphalt and Road Oil	0	74	0	66	140	297	0	0	39
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	0	5,863	0	49,662	6,282	1,963	0	32	54

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, June 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	140	12	231	56,056	6,786	109	23,932	0	-
Petroleum Products	17,391	0	10,581	37,064	14,438	77,618	21,462	0	4,482
Natural Gas Liquids	7,404	0	7,724	35,081	10,617	407	9,895	0	-
Ethane	6,117	0	573	16,120	2,273	0	1,022	0	-
Propane	889	0	5,233	9,505	4,236	407	1,138	0	-
Normal Butane	115	0	1,918	4,828	1,845	0	294	0	-
Isobutane	276	0	0	1,430	636	0	941	0	-
Natural Gasoline	7	0	0	3,198	1,627	0	6,500	0	-
Motor Gasoline Blending Components	6,651	0	464	1,139	2,084	43,988	6,286	0	3,329
Reformulated - RBOB	0	0	0	0	-	9,711	4,218	-	1,789
Conventional	6,651	0	464	1,139	2,084	34,277	2,068	0	1,540
CBOB	6,651	0	464	1,139	2,084	34,277	2,068	0	1,540
GTAB	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	95	0	682	0	101	762	877	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	95	0	682	0	101	762	877	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	95	0	682	0	101	762	877	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	377	0	984	55	827	12,659	1,086	0	261
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,864	0	727	789	809	19,802	3,318	0	892
15 ppm sulfur and under	2,864	0	727	789	809	19,558	3,213	0	892
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	105	-	-
Greater than 500 ppm sulfur	-	-	-	-	-	-	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	17,531	12	10,812	93,120	21,224	77,727	45,394	0	4,482

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, June 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	27,188	295	—	0	0
Petroleum Products	0	22,170	4,905	1,433	0	0
Natural Gas Liquids	0	21,162	4,905	—	0	0
Ethane	0	5,818	1,872	—	0	0
Propane	0	7,816	1,507	—	0	0
Normal Butane	0	3,333	445	—	0	0
Isobutane	0	1,283	366	—	0	0
Natural Gasoline	0	2,912	715	—	0	0
Motor Gasoline Blending Components	0	231	0	1,042	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	231	0	1,042	0	0
CBOB	0	231	0	1,042	0	0
GTAB	—	—	—	—	—	—
Other	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Biodiesel	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	369	0	87	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	369	0	87	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	369	0	87	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	23	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	396	0	281	0	0
15 ppm sulfur and under	0	396	0	281	0	0
Greater than 15 ppm to 500 ppm sulfur	—	0	0	—	0	—
Greater than 500 ppm sulfur	—	—	—	—	—	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	49,358	5,200	1,433	0	0

— = Not Applicable.

— = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, June 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	181	0	—	317	134	—
Petroleum Products	21	0	0	1,696	1,882	0
Natural Gas Liquids	—	0	—	0	0	—
Ethane	—	—	—	—	—	—
Propane	—	0	—	0	0	—
Normal Butane	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—
Unfinished Oils	21	0	—	0	588	—
Motor Gasoline Blending Components	0	0	—	741	177	—
Reformulated - RBOB	—	—	—	—	—	—
Conventional	0	0	—	741	177	—
CBOB	0	0	—	741	76	—
GTAB	—	—	—	—	—	—
Other	0	0	—	0	101	—
Biofuels (including Fuel Ethanol)	0	0	0	390	474	0
Fuel Ethanol	0	0	—	390	454	—
Biodiesel	0	0	—	—	20	—
Renewable Diesel Fuel	—	0	0	—	0	0
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	0	—	69	0	—
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	0	—	69	0	—
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	0	—	69	0	—
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	0	—	49	0	—
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	0	—	447	35	—
15 ppm sulfur and under	0	0	—	447	35	—
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—
Residual Fuel Oil	0	0	—	—	495	—
Less than 0.31 percent sulfur	0	0	—	—	76	—
0.31 to 1.00 percent sulfur	0	0	—	—	292	—
Greater than 1.00 percent sulfur	0	0	—	—	127	—
Petrochemical Feedstocks	0	0	—	0	94	—
Naphtha for Petrochemical Feedstock Use	0	0	—	0	94	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—
Lubricants	0	0	0	0	19	0
Waxes	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—
Asphalt and Road Oil	0	0	—	0	0	—
Miscellaneous Products	0	0	—	—	0	—
Total	202	0	0	2,013	2,016	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, June 2023
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	1,592	—	1,592	—	0	—	0	0	0
Petroleum Products	20,659	—	1,214	19,445	1,536	877	0	0	0
Natural Gas Liquids	57	—	—	57	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	57	—	—	57	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	40	—	40	—	255	—	0	0	0
Motor Gasoline Blending Components	12,296	—	587	11,709	86	—	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	12,296	—	587	11,709	86	—	0	0	0
CBOB	11,709	—	—	11,709	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	587	—	587	—	86	—	0	0	0
Biofuels (including Fuel Ethanol)	0	—	—	—	0	863	0	0	0
Fuel Ethanol	0	—	—	—	0	—	0	0	0
Biodiesel	—	—	—	—	0	—	—	0	0
Renewable Diesel Fuel	—	—	—	—	—	863	—	—	0
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	514	—	—	514	418	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	514	—	—	514	418	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	514	—	—	514	418	—	0	0	0
Finished Aviation Gasoline	134	—	40	94	25	—	0	0	0
Kerosene-Type Jet Fuel	3,211	—	—	3,211	154	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	3,511	—	—	3,511	325	—	0	0	0
15 ppm sulfur and under	3,511	—	—	3,511	325	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	—	—	—	—	0	—	—	0	0
Less than 0.31 percent sulfur	—	—	—	—	0	—	—	0	0
0.31 to 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks	300	—	300	—	38	—	0	0	0
Naphtha for Petrochemical Feedstock Use	300	—	300	—	38	—	0	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	25	—	—	0	0
Lubricants	360	—	247	113	166	14	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	236	—	—	236	37	—	0	0	0
Miscellaneous Products	—	—	—	—	7	—	—	0	0
Total	22,251	—	2,806	19,445	1,536	877	0	0	0

— = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, June 2023
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	309	0	0	3,932
Propane	30	4	0	0	483	293	0	258
Propylene	0	0	–	–	225	367	–	–
Normal Butane	76	4	0	0	26	155	0	105
Isobutane	46	7	0	0	86	34	0	3
Fuel Ethanol	0	0	0	0	10,253	5,172	505	4,185
Biodiesel	5	0	0	0	27	194	27	235
Marketable Petroleum Coke	0	6	0	0	509	535	10	13
Asphalt and Road Oil	56	0	0	0	857	168	46	294

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	920	0
Propane	96	38	0	0	0	0	0	44
Propylene	0	0	–	–	0	0	0	–
Normal Butane	0	0	0	8	0	0	0	11
Isobutane	0	51	0	50	0	0	0	16
Fuel Ethanol	0	0	0	352	0	0	0	55
Biodiesel	0	3	0	20	0	0	0	0
Marketable Petroleum Coke	3	16	0	0	0	238	22	108
Asphalt and Road Oil	50	84	0	74	0	66	140	297

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	–
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	12
Marketable Petroleum Coke	0	16	32	3
Asphalt and Road Oil	0	0	0	39

– = No Data Reported.
Data source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, June 2023
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	140	181	0	321
3	12	0	0	12
4	0	—	0	0
5	—	—	0	0
From 2 to				
1	231	317	309	857
3	56,056	134	0	56,190
4	6,786	—	0	6,786
5	—	—	3,932	3,932
From 3 to				
1	109	1,592	0	1,701
2	23,932	0	0	23,932
4	0	—	0	0
5	—	—	0	0
From 4 to				
1	0	0	0	0
2	27,188	0	0	27,188
3	295	0	920	1,215
5	—	—	0	0
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	—	0	0

— = No Data Reported.

Data source: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, June 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,558	333	2,225	51,441	67,765	-16,324	57,417	25,633	31,784
Petroleum Products	123,168	17,645	105,522	63,305	90,723	-27,418	50,982	127,479	-76,497
Natural Gas Liquids	8,879	7,570	1,309	38,701	54,864	-16,163	40,482	10,602	29,879
Ethane	573	6,117	-5,544	12,957	18,966	-6,009	17,992	1,022	16,970
Propane	6,276	923	5,353	9,910	20,007	-10,097	11,309	1,736	9,573
Normal Butane	1,944	194	1,750	3,818	8,877	-5,060	5,431	302	5,129
Isobutane	86	329	-243	2,597	2,189	409	1,837	1,042	794
Natural Gasoline	0	7	-7	9,419	4,825	4,594	3,913	6,500	-2,587
Refinery Olefins	225	0	225	0	592	-592	367	0	367
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	225	0	225	0	592	-592	367	0	367
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	40	21	19	276	588	-312	588	295	293
Motor Gasoline Blending Components	57,489	6,651	50,838	13,254	4,605	8,649	1,316	65,985	-64,669
Reformulated - RBOB	9,711	0	9,711	4,218	0	4,218	0	15,718	-15,718
Conventional	47,778	6,651	41,127	9,036	4,605	4,431	1,316	50,267	-48,951
CBOB	47,191	6,651	40,540	8,950	4,504	4,446	1,215	49,594	-48,379
GTAB	0	0	-	-	-	-	0	0	-
Other	587	0	587	86	101	-15	101	673	-572
Biofuels (including Fuel Ethanol)	10,670	5	10,665	8	21,461	-21,453	5,840	1,237	4,603
Fuel Ethanol	10,643	0	10,643	0	20,959	-20,959	5,626	352	5,274
Biodiesel	27	5	22	8	503	-495	214	22	192
Renewable Diesel Fuel	0	0	-	0	0	-	0	863	-863
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,027	95	1,932	1,759	852	907	0	2,571	-2,571
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	2,027	95	1,932	1,759	852	907	0	2,571	-2,571
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,027	95	1,932	1,759	852	907	0	2,571	-2,571
Finished Aviation Gasoline	134	0	134	25	0	25	0	159	-159
Kerosene-Type Jet Fuel	16,903	377	16,526	1,629	1,915	-286	55	17,371	-17,316
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	24,487	2,864	21,623	6,903	2,807	4,096	824	27,848	-27,024
15 ppm sulfur and under	24,243	2,864	21,379	6,798	2,807	3,991	824	27,499	-26,675
Greater than 15 ppm to 500 ppm sulfur	0	0	-	105	0	105	0	105	-105
Greater than 500 ppm sulfur	244	0	244	0	0	-	0	244	-244
Residual Fuel Oil	0	0	-	0	495	-495	495	0	495
Petrochemical Feedstocks	300	0	300	38	94	-56	94	338	-244
Naphtha for Petrochemical Feedstock Use	300	0	300	38	94	-56	94	338	-244
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-	0	0	-
Special Naphthas	0	0	-	25	0	25	0	25	-25
Lubricants	360	0	360	166	19	147	19	540	-521
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	512	6	506	270	1,067	-797	596	19	576
Asphalt and Road Oil	1,142	56	1,086	243	1,365	-1,121	307	481	-174
Miscellaneous Products	0	0	-	7	0	7	0	7	-7
Total	125,725	17,978	107,747	114,746	158,488	-43,742	108,399	153,112	-44,713

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, June 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,786	28,403	-21,617	3,932	0	3,932
Petroleum Products	15,081	29,504	-14,423	12,919	103	12,816
Natural Gas Liquids	10,617	26,137	-15,520	495	0	495
Ethane	2,273	7,690	-5,417	0	0	—
Propane	4,236	9,367	-5,131	301	0	301
Normal Butane	1,845	3,789	-1,944	125	0	125
Isobutane	636	1,665	-1,029	69	0	69
Natural Gasoline	1,627	3,627	-2,000	0	0	—
Refinery Olefins	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—
Propylene	0	0	—	0	0	—
Normal Butylene	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	2,084	1,273	811	4,371	0	4,371
Reformulated - RBOB	—	—	—	1,789	0	1,789
Conventional	2,084	1,273	811	2,582	0	2,582
CBOB	2,084	1,273	811	2,582	0	2,582
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	545	55	489	5,709	12	5,696
Fuel Ethanol	505	55	450	4,592	0	4,592
Biodiesel	39	0	39	254	12	242
Renewable Diesel Fuel	0	0	—	863	0	863
Other Biofuels ²	0	0	—	0	0	—
Finished Motor Gasoline	101	456	-355	87	0	87
Reformulated	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	0	0	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	101	456	-355	87	0	87
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	101	456	-355	87	0	87
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	827	35	792	284	0	284
Kerosene	—	—	—	0	0	—
Distillate Fuel Oil	809	677	132	1,173	0	1,173
15 ppm sulfur and under	809	677	132	1,173	0	1,173
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	0	0	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	14	0	14
Waxes	—	—	—	0	0	—
Marketable Petroleum Coke	13	368	-355	121	52	69
Asphalt and Road Oil	85	503	-418	666	39	627
Miscellaneous Products	0	0	—	0	0	—
Total	21,867	57,908	-36,041	16,851	103	16,749

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

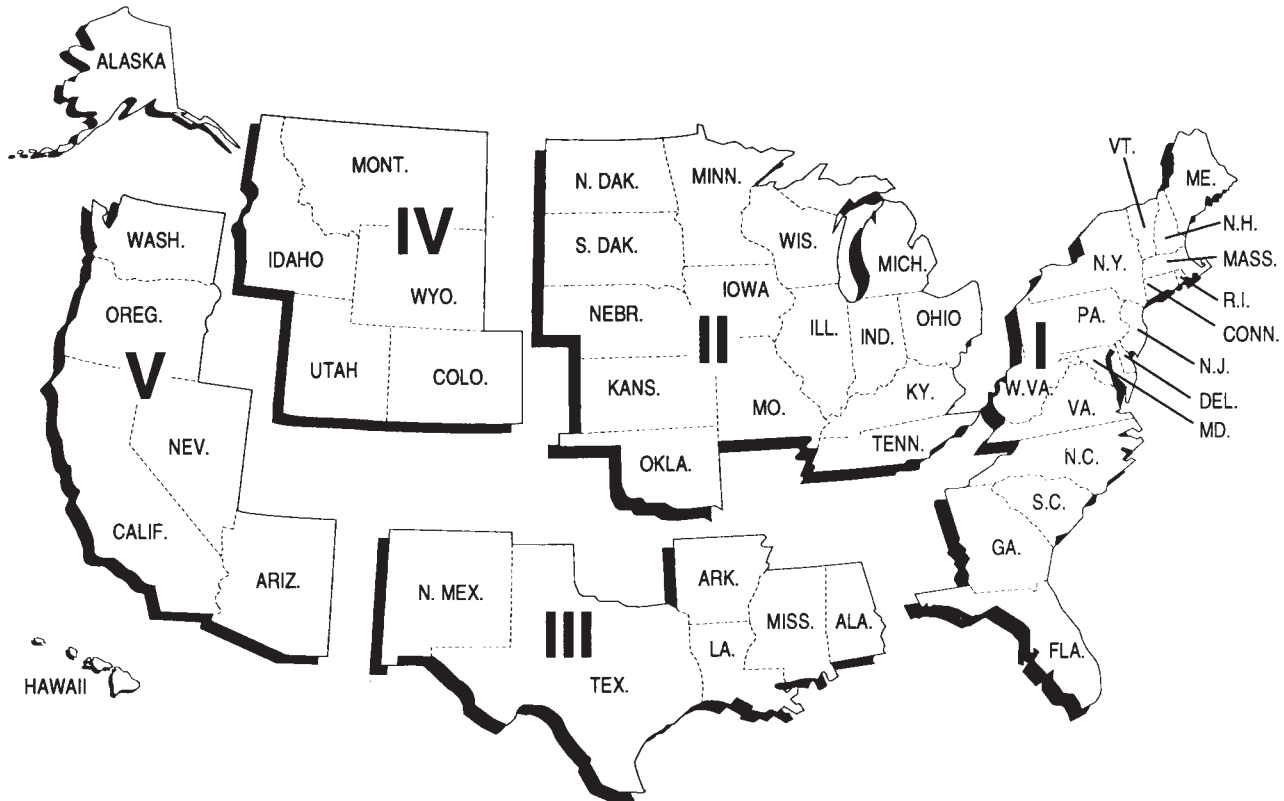
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

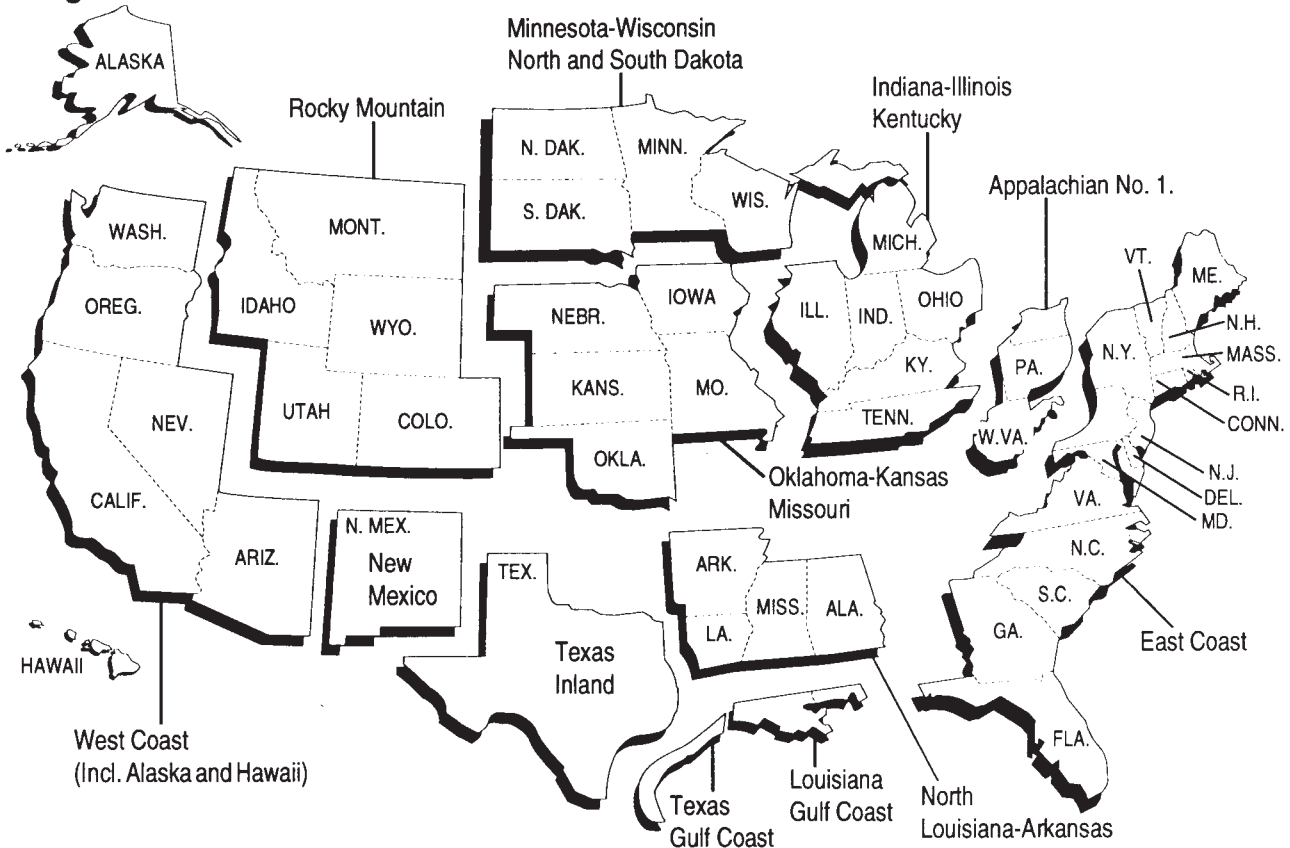
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



Appendix B. Explanatory Notes

Preface

The U.S. Energy Information Administration (EIA) produces the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) reports using the Monthly Petroleum Supply Reporting System (MPSRS). Data in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids (including natural gas liquids and refinery olefins), refinery feedstocks, hydrogen, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). Selected data are also available for U.S. territories and possessions.

The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data as well as annual totals and averages are released in the PSA, usually at the end of August each year.

Overview

A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve systems to provide high quality information needed by public and private policymakers, business decision makers, researchers, journalists, and other data users. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals (including certain end-user storage of natural gas liquids), natural gas processing plants and fractionators, biofuels and oxygenate production plants, imports, exports, and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), transfers to crude oil supply (beginning with PSA data for January 2022), refinery and blender net production, biofuels plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net (inter-PADD) receipts are added to supply when product supplied is calculated for by PADD. Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock.

Beginning with PSA data for January 2021, EIA includes tertiary stocks of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline) held by storage operators with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker, or barge in primary stocks.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate national and PADD supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. EIA provides the following discussion to assist with interpretation of supply and disposition tables 1-25. The [EIA glossary](#) contains definitions of products and other terms used on tables.

(1.) Supply

- a. Field Production - Total Field Production is the sum of crude oil production and natural gas liquids (NGL) production from natural gas processing plants. Sources of crude oil production data include state government agencies, Department of the Interior, Bureau of Safety and Environmental Enforcement (and predecessor agencies), first purchase data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report", and Form EIA-914 "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report". Refer to "Domestic Crude Oil Production" in Section 2C (1) for further details. Field production of NGL is reported on Form EIA-816 and published on a net basis (i.e., production minus input).
- b. Transfers to crude oil supply – EIA added new data labeled Transfers to crude oil supply to national and regional volumetric balance tables for petroleum and biofuels beginning with PSA data for 2022. Transfers to crude oil supply include barrels of unfinished oils (refinery feedstocks) and NGL that EIA identified as having been added to crude oil supply by blending with crude oil in pipelines and storage. Transfers to crude oil supply quantities include barrels of NGL produced in Alaska and blended into crude oil. Transfers to crude oil supply also include barrels calculated by EIA using the following methods.

Natural gasoline (including natural gasoline, condensate, and scrubber oil) and unfinished oils

- Supply = sum of barrels produced (including field production and net input to biofuel plants), imports, and, for PADD data, net inter-PADD receipts.
- Disposition = sum of barrels added to stocks (stock change), inputs or net inputs, and exports.
- Balance item (transfers to crude oil supply) = disposition minus supply.
- Product supplied assumed = zero.

Crude oil

- Supply = sum of barrels produced, imports, and, for PADD data, net inter-PADD receipts.
- Disposition = sum of barrels added to stocks (stock change), inputs, and exports.
- Transfers to crude oil supply = negative one (-1) times the sum of transfers to crude oil of natural gasoline and unfinished oils, plus NGL production in Alaska.
- Balance item (adjustment) = disposition minus sum of supply and Transfers to crude oil.
- Product supplied assumed = zero.

- c. Biofuels Plant Net Production – biofuels production included fuel ethanol beginning with data for January 2009, biodiesel beginning with data for January 2011, and biofuels (diesel, heating oil, jet, naphtha, gasoline, and other biofuels and biointermediates) beginning with data for January 2021. EIA included production of fuel oxygenates (ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), and other fuel oxygenates) as a component of the petroleum balance from January 2009 until December 2018. This supply category also includes net production of non-biofuel products, including petroleum-derived gasoline, distillate fuel oil, jet fuel, and kerosene and natural gas liquids, blended with biofuels as denaturants or for other purposes at biofuel producing plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month.
- d. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

- e. Imports – Imports include receipts of petroleum and biofuels into the 50 States and the District of Columbia from foreign countries as well as from U.S. possessions and territories. EIA also reports imports received from foreign countries into U.S. possessions and territories as well as trade between U.S. possessions and territories. Imports include goods entered into U.S. commerce, admitted to U.S. foreign trade zones, and withdrawn from bonded storage whether entered into U.S. commerce or withdrawn from bonded storage for international commerce (e.g. jet fuel withdrawn from bonded storage to be used as fuel on an international flight). EIA imports exclude goods entered into bonded storage pending withdrawal whether to be entered into U.S. commerce or for international commerce.
- f. Net Receipts – EIA reports net receipts to account for inter-PADD movements in tables showing volumetric balances by PADD. EIA calculates net inter-PADD receipts by subtracting shipments out of each PADD from receipts into each PADD.
- g. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, hydrogen, and “other” hydrocarbons. EIA calculates adjustment quantities to balance supply and disposition or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products. Product supplied is a measure of demand for petroleum products. EIA uses adjustment quantities to balance supply and disposition in cases where it is inappropriate to interpret the balance quantities as a measure of demand. Reclassifications reported in the adjustments column are implied by the supply and disposition balance. Supply equals the sum of field production, transfers to crude oil supply (beginning with PSA data for January 2022), biofuels plant net production, refinery and blender net production, imports, net inter-PADD receipts (for data by PADD), and adjustments. Disposition equals the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PADD. EIA discontinued reporting adjustment quantities for non-fuel ethanol biofuels and distillate fuel oil beginning with data for January 2021. Beginning with data for January 2021, EIA uses product supplied as the balance quantity for biofuels excluding fuel ethanol (biodiesel, renewable diesel fuel, and “other” biofuels).

(2.) Disposition

- a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
- b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, biofuels, and other hydrocarbons) processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

- c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.
- d. Products Supplied - Products supplied is a calculated measure of demand equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, (plus net receipts when calculated by PADD), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PADD basis, the figure for net receipts was inaccurate because the coverage of inter-PADD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported (e.g. unfinished oils received at refineries for processing from petrochemical plants).

EIA reported crude oil burned as fuel on leases and by pipelines as either distillate or residual fuel oil product supplied prior to January 1983. EIA reported crude oil product supplied equal to crude oil used directly as reported on Form EIA-813 "Monthly Crude Oil Report" from January 1983 through December 2009. EIA discontinued reporting crude oil used directly on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals. Ending stocks also include stocks in transit by rail, truck, and water reported at destination facilities. EIA primary stocks include NGL (ethane, propane, normal butane, isobutane, and natural gasoline) held by end-user storage operators (i.e. tertiary storage) with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks (except stocks of NGL held by end users with storage capacity of at least 50,000 barrels and capability to ship NGL by pipeline, tanker, or barge) held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported in the PSM and PSA, but EIA provides stock quantities held in selected government reserves in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on eia.gov were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm

http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm

http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm

2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on eight monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The eight monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes eight monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Bulk Terminal Report."
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" (formerly "Monthly Oxygenate Report")
17. EIA-820, "Annual Refinery Report."

EIA administers weekly and monthly surveys at six key points along the petroleum and biofuel supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and plants producing biofuels and fuel oxygenates. EIA also collects inter-PADD movements by pipelines, tankers, and barges using monthly surveys. Weekly surveys do not capture petroleum movements. EIA selects a sample of operators reporting on monthly surveys to also report

on weekly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, “Annual Refinery Report.” The EIA-820 data are published in the annual “Refinery Capacity Report.”

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at:
<https://www.eia.gov/survey/>

Form EIA-22M “Monthly Biodiesel Production Survey” collected data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales until data for September 2020. EIA discontinued Form EIA-22M effective with data for October 2020, and incorporated data previously collected on Form EIA-22M into Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.

Form EIA-810, “Monthly Refinery Report,” collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

Form EIA-812, “Monthly Product Pipeline Report,” collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

Form EIA-813, “Monthly Crude Oil Report,” collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

Form EIA-815, “Monthly Bulk Terminal Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane and Isooctene” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Beginning in October 2020 it also collects facility-level data on biodiesel and biofuels production and blending and end-of-month stocks. Plant operators report end-of-month stocks on site on a custody basis regardless of ownership as well as stocks in transit by rail, truck, and water to their plants.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” included operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes. EIA discontinued using Form EIA-22M in October 2020 and replaced it with data collected on Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene”.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Bulk Terminal Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and

has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene” include all operators of facilities that produce (manufacture or distill) fuel alcohol, biodiesel, renewable diesel, heating oil, jet fuel, naphtha, gasoline and other biofuels and biointermediates, isooctane, isooctene and fuel oxygenates other than fuel alcohol (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations) located in the 50 States and the District of Columbia.

(3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The eight monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 98 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in

the Petroleum Supply Annual (PSA).

(6.) Macro Editing

EIA compares data reported by individual companies and plants on monthly and weekly surveys. EIA uses these comparisons to identify cases where reporting companies responded differently to the same or similar questions on weekly and monthly surveys and then works with reporting companies to identify and address inconsistent or erroneous reporting on surveys. EIA also compares aggregate and other data with external sources in order to identify and correct potential errors in reporting or survey methodology. EIA makes additional comparisons of survey data with model results. EIA may use imputation to correct known and/or suspected errors in data reported in the Petroleum Supply Monthly and Petroleum Supply Annual.

(7.) Dissemination

In most cases, EIA releases *PSM* data within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available in HTML format on [eia.gov](http://www.eia.gov). Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at:

<http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the *PSM* are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the *PSM*, are based on:

(a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;

(b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.

(c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil and select products by railroad

The document *U.S. energy-by-rail data methodology* provides the most detailed information available for the EIA methodology for estimating rail movements of crude oil and selected products. Please see link below.

<https://www.eia.gov/petroleum/transportation/methodology.pdf>

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the Canada Energy Regulator (CER), data in EIA’s Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which these data are not available.

Additional data from the CER, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

Estimates of rail movements are subject to monthly revision as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the “lease adjustment,” a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the “lease adjustment” could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil were added to PAD District 3 stocks and 330 thousand barrels were added to PAD District 4 stocks in data from 1983 through June, 2016.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Liquids (NGL) Adjustment

EIA discontinued the TAPS-NGL adjustment after introducing *transfers to crude oil supply* as a component of U.S. and regional crude oil balances beginning with PSA data for January 2022. EIA now adds barrels of NGL produced and blended with crude oil in Alaska to crude oil supply making the TAPS-NGL adjustment unnecessary.

The TAPS-NGL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGL adjustment subtracts Alaskan NGL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGL production is added to refinery receipts and inputs of NGPL. The adjusted NGL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and natural gasoline also in PAD District 5.

NGL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock

(GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PADD. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PADD. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PADDs. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PADD. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PADD, then the total adjustment quantity of finished conventional motor gasoline in that PADD would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PADD.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and biofuels plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels

plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Biofuels including Fuel Ethanol Adjustment

For data prior to January 2021, adjustment quantities for biofuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Calculation of adjustment quantities by PADD depend on the product. Individual products include fuel ethanol, biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). Product supplied for biofuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” biofuels are discussed separately below. Beginning with data for January 2021, EIA discontinued calculating adjustment quantities for biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). EIA now includes these adjustment quantities as product supplied.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.
- The product category called “biofuels (excluding fuel ethanol)” includes biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). For PSM data prior to January 2012, EIA calculated adjustment quantities for biofuels (excluding fuel ethanol) at the U.S. and PADD levels equal to the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Biofuels (excluding fuel ethanol) was unavailable and was excluded from Biofuels Plant Net Production. Therefore the calculation of adjustments to Biofuels (excluding fuel ethanol) caused production to be included in the adjustment. Similarly, the calculation caused net inter-PADD movements (i.e. net receipts) by rail and truck to also be included in adjustments to biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2012, and PSA data for 2011 through December, 2020 production of biodiesel reported on Form EIA-22M was included under the heading of “biofuels plant net production” in petroleum supply and disposition balances for “biofuels (excluding fuel ethanol)”. As a result, the adjustment for “biofuels (excluding fuel ethanol)” excludes production of biodiesel beginning with data for January 2012. Beginning with data for January 2010 EIA included rail movements of biodiesel in inter-PADD movements, and so rail movements were excluded from adjustment quantities.

- For data prior to January 2021, biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments. EIA discontinued calculating biodiesel and distillate fuel oil adjustment quantities beginning with data for January 2021. EIA now includes barrels of biodiesel formerly reported in adjustment quantities as product supplied of biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2021, EIA included production of renewable diesel, heating oil, jet fuel, naphtha, gasoline, and other biofuels and biointermediates reported on Form EIA-819 under the heading of “biofuels plant net production” in petroleum supply and disposition balances for “biofuels (excluding fuel ethanol)”. EIA now reports barrels formerly included in adjustment quantities as product supplied.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

For PSM data from January 2012 and PSA data from January 2011 through December 2020, EIA calculated distillate fuel oil adjustments equal to the opposite of biodiesel adjustment quantities described above in section 8. EIA added biodiesel adjustment quantities to supply of distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. EIA assumed that distillate fuel oil adjustment quantities reflected biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Beginning with data for January 2021, EIA discontinued calculating and reporting distillate fuel oil adjustment quantities.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

EIA added *Transfers to crude oil supply* as a component of the crude oil supply balance beginning with PSA data for January 2022. *Transfers to crude oil supply* include barrels of unfinished oils (refinery feedstocks) and NGL that EIA identified as having been added to crude oil supply by blending with crude oil in pipelines and storage. *Transfers to crude oil supply* quantities include barrels of NGL produced and blended into crude oil in Alaska.

Crude oil adjustment quantities are normally greater than zero indicating crude oil disposition greater than crude oil supply. Quantities reported as *Transfers to crude oil supply* normally add to crude oil supply and, therefore, tend to bring crude oil adjustment quantities closer to zero. *This Week in Petroleum* released on March 22, 2023 provides additional information on crude oil adjustments and *Transfers to crude oil supply* (see link below).

https://www.eia.gov/petroleum/weekly/archive/2023/230322/includes/analysis_print.php

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of biofuels plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with *PSA* data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the *PSM* has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the *PSA*. These values reflect all *PSM* resubmissions and other data corrections. The values contained in the *PSA* are EIA's most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The *PSM* preliminary monthly data serve as leading indicators of the final monthly data published in the *PSA*. The *PSM* monthly data are not expected to have the same level of accuracy as the final monthly data published in the *PSA*. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly

data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, “Monthly Imports Report,” have the same general disclosure information statement. The information reported on Form EIA-814 will be considered “public information” and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810 through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. § 552, the Department of Energy (DOE) regulations, 10 C.F.R. § 1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. § 1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data aggregated and published from these survey’s information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the Weekly Petroleum Status Report, Petroleum Supply Monthly, Petroleum Supply Annual and This Week In Petroleum.

Information on the Northeast Reserves is available from the U.S. Department of Energy Office of Petroleum Reserves web site at <http://energy.gov/fe/services/petroleum-reserves>.

The Northeast Home Heating Oil Reserve is a one million barrel supply of ultra low sulfur distillate (diesel/heating oil) for homes and businesses in the northeastern United States, a region heavily dependent upon the use of heating oil.

The Northeast Gasoline Supply Reserve is a one million barrel supply of seasonally adjusted, regionally appropriate supply of gasoline for consumers in the northeastern United States.

Northeast Home Heating Oil Reserve Distillate Fuel Oil, 15 ppm Sulfur and Under (Thousand Barrels)					Northeast Gasoline Supply Reserve Motor Gasoline Products (Thousand Barrels)		
	Connecticut	New Jersey	Maine	Massachusetts	New Jersey	Maine	Massachusetts
Jan-23	300	300	200	201	900	99	
Feb-23	300	300	200	201	900	99	
Mar-23	300	300	200	201	900	99	
Apr-23	300	300	200	201	900	99	
May-23	300	300	200	201	900	99	
Jun-23	300	300	200	201	900	99	
Jul-23							
Aug-23							
Sep-23							
Oct-23							
Nov-23							
Dec-23							

Source: U.S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

New York State Strategic Fuel Reserve

(Thousand Barrels)

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the Weekly Petroleum Status Report, Petroleum Supply Monthly, Petroleum Supply Annual and This Week In Petroleum.

	Motor Gasoline Blending Components	Fuel Ethanol	Distillate Fuel Oil, 15 ppm Sulfur and Under	NY Total
Jan-23	83	9	34	126
Feb-23	83	9	34	126
Mar-23	83	9	34	126
Apr-23	79	9	34	122
May-23	79	9	34	122
Jun-23	79	9	34	122
Jul-23				
Aug-23				
Sep-23				
Oct-23				
Nov-23				
Dec-23				

Source: New York State Energy Research & Development Authority